Pinnacle MediaCenter



Pinnacle MediaCenter User's Guide

GB/US October 2005

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Introduction

Welcome

Your new Pinnacle product offers you a completely new experience in multimedia entertainment. From now on, you can access and process all sorts of media such as television, radio, movies, music and photos, either from your computer or from the comfort of your armchair.

You can watch both analog and digital television (optional) on either your computer monitor or your television screen.

The fun gets even better with the following features. Watching TV just got easier and you don't have to miss a second of your favorite shows, thanks to the latest timeshift recording technology. This makes spontaneous or scheduled recording to your hard disk a breeze. With you new Pinnacle product, you have immediate access to the latest news using teletext. In addition, an Electronic Program Guide (EPG) gives you an overview of a complete range of television programs. Scheduling your recordings is also quick and easy.

You also have the option of listening to radio at any time and recording your favorite broadcasts quickly and easily. In addition, your Pinnacle product lets your receive Internet radio stations.

You can play video, music, and display photo files from your hard disk or from a CD and/or DVD. You can also burn your own CDs or DVDs.

In addition, you can arrange your media files in an intelligent multimedia database so that they can be found quickly. This is done according to various playback criteria based on specific categories (for example, all the movies in a certain genre or all the photos from a particular vacation). Pinnacle MediaCenter gives you simple and targeted access to all your media files.

The Pinnacle MediaCenter also gives you direct access to many different online services thereby opening all the doors to an incredible world of media and information.

Now you can access all of these different media quickly and easily with just one device: your PC. The Pinnacle MediaCenter interface has been especially designed so that all the menu options are very legible even at a distance of several yards. Plus they can be easily navigated with your remote control.

The following components of your new Pinnacle product put all the following functions at your fingertips:

Pinnacle MediaManager

The Pinnacle MediaManager is installed on your PC and is used to import music files, movies, and digital photos into the MediaManager database. You also manage these files and keep them in order in the MediaManager. You can create your own playlists for collecting your favorite music, movies and photos. The media files on your PC can originate from almost anywhere, for example, from the Internet, your own audio CDs or your digital camera.

Pinnacle MediaCenter

The Pinnacle MediaCenter is also installed on your PC and is used for media playback.

You can watch and record TV with the Pinnacle MediaCenter, play back recordings, and display teletext. You can also listen to and record radio broadcasts. Music, movies, and photos from CDs, DVDs or your hard disk are shown in the Pinnacle MediaCenter. You can access the categories created in the Pinnacle MediaManager to display media sorted according to your criteria. This helps you select the medium best suited to your particular mood or for any occasion.

Pinnacle Hardware

If your new Pinnacle product comes with the optional reception device, you can receive TV and radio (optional) and take advantage of, for example, the teletext or timeshift functions.

PCTV MediaCenter Remote Control

With the remote control, you can navigate the on-screen menu from anywhere in your room – without having to bother going back and forth to your computer.

Now go have fun with your new Pinnacle product!

The Contents of Your Package

Before you begin with the installation, check the contents of the package to make sure that they are complete. If any part is missing or damaged, contact your retailer. Keep the packing material in case you have to transport the original parts again in the future.

Hardware

The hardware included in the box depends on the version of the Pinnacle package you have bought.

Software

Software designed for Windows XP is found on the CD-ROM included in the box.

Documentation



User Manual on CD



Hardware operating instructions on CD



Remote control operating instructions on CD



Online Help

Please note that the actual contents of the package may differ from the items shown above depending on which version of the product you bought!

Online Help

Your Pinnacle product gives you access to Online Help at any time. If you are searching for a specific topic, select the **Help Topics** function in the **Help** menu or simply press the **F1** key on your keyboard.

Online Manual

If you have questions about the function and operation of your Pinnacle product, you can consult the online manual in addition to the printed manual. The online manual is installed automatically and can be read directly on-screen. To open the online manual, you need the free program Adobe Acrobat Reader. To start the online manual, do the following:

- Use your mouse to click and open the **Windows Start** menu.
- Move your mouse over **Programs** to open the Program menu.
- Move your mouse over Pinnacle MediaCenter to open the Pinnacle MediaCenter menu.
- Now click Pinnacle MediaCenter.

Any new modifications or supplements that did not make it into the documentation are described in the ReadMe file on the CD-ROM included in the box.

Pinnacle MediaCenter - System Setup

Installing the Hardware

Hardware installation depends on the type of hardware included in the package, for example, whether it is an internal or external device. You will find a detailed description in the corresponding hardware manual on the CD.

Installing the Software

This section describes how to install the Pinnacle software on your PC. During installation, a program group along with its corresponding subgroups will be created. This is where all the necessary software components will be copied.

As a part of the installation, you will be asked for the serial number. This is located on the CD or the CD case.

- Insert the installation CD in the CD drive of your computer.
- The setup program now either starts automatically or you can start **autorun.exe** in the setup directory on the CD-ROM.
- Now follow the installation instructions displayed on the screen.

During installation, an installation wizard leads you through the Advanced Settings Dialog. This is where you can configure the Pinnacle MediaCenter settings. For more information about this, refer to the chapter "Advanced Settings".

 After installation, you will be prompted to restart your computer. This restart needs to be done in order for your settings to take effect and for the Pinnacle MediaCenter to function properly.

The tvtv Manager

The Pinnacle MediaCenter gives you convenient access to the services offered by the EPG provider **tvtv**. With the help of the TV listings on the tvtv pages, you can quickly and easily select the shows you want to record and then import the recording list into the Pinnacle MediaCenter. The shows you have selected are then automatically recorded - without you having to configure the recording any further.

Opening a User Account

To use this method of recording TV shows, you need to register with tvtv.

- Click the Windows Start menu once.
- Move your mouse to **Programs** to open the Programs menu.
- Move your mouse to the **Pinnacle MediaCenter** to open the menu.
- Click the tvtv Manager option.

A wizard for guiding you through the registration process now appears.

- Select whether you are registering with tvtv for the first time or you are already a registered user.
- If you are registering for the first time, enter a user name and password in the next dialog window and select one of the services. You will then be forwarded to the tvtv Web site.

In order to use the tvtv service, you need to activate your user account on the tvtv Web site.

• To do this, enter your user name and password.

Assigning TV Channels

After activating your user account, you can now synchronize the Pinnacle MediaCenter channel list with the tvtv channel list. This lets you record shows selected on tvtv with the Pinnacle MediaCenter.

To do this, a two-column channel list appears. On the left are all the channels on your Pinnacle MediaCenter channel list.

• If you click a field on the right part of the channel list, all your tvtv channels will be displayed in separate window. Now choose the tvtv channel to be associated with the Pinnacle MediaCenter channel on the same line. This is how you link your Pinnacle MediaCenter channels to the tvtv channels.

It is now easy for you to select shows as well as keep track of them directly on the www.tvtv.de Web site. All you have to do is import them into the Pinnacle MediaCenter.

Scheduled Recording List

In the next window, all the shows scheduled to be recorded via the tvtv Web site are displayed.

After the tvtv recording list has been imported into the Pinnacle MediaCenter, you can modify the shows scheduled to be recorded in the TV menu under "TV Recorder".

Advanced Settings

Advanced Settings - Overview

During the installation of the Pinnacle MediaCenter software, a wizard will lead you through the some of the areas in the Advanced Settings dialog where you can configure the most important settings for the Pinnacle MediaCenter.

After installation, you can access the Advanced Settings dialog at any time by double-clicking the Settings icon in the Pinnacle program group. Then you can edit the current settings or configure new ones:



Note that the Advanced Settings dialog can only be operated with your keyboard or your mouse.

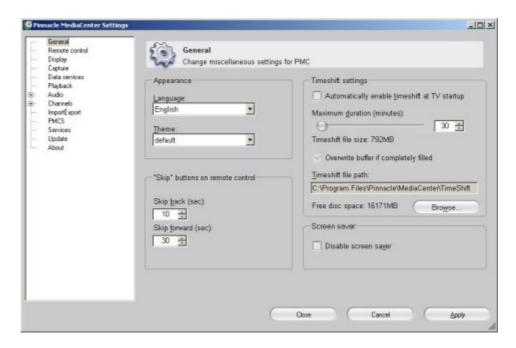
In the left part of the Advanced Settings dialog window, you see a tree structure that outlines the following areas:

- General
- Remote control
- Display
- Capture
- Data services
- Playback
- Audio

- Channels
- ImportExport
- PMCS
- Services
- Update
- About

When you click an entry, the corresponding menu opens and you can modify the settings for that area.

Advanced General Settings



In this menu option, you can configure various general settings.

Appearance

Language

In this area, you can set the language for the Pinnacle MediaCenter.

Theme

You can choose different skins for the Pinnacle MediaCenter here.

"Skip" buttons on remote control

This is where you can set the time interval that the **Skip** buttons on your remote control should jump during media playback.

Timeshift settings

You can find more information about the timeshift feature in the Timeshift chapter or in the Operating Controls While Watching TVl chapter.

Automatically enable timeshift at TV startup

If you select this option, every time you watch TV, the program currently showing is saved in the temporary area of your hard drive. This recording can be played back from any point at any time, while at the same time live TV is still being recorded. Not even an unexpected interruption will make you miss even a second of the show you are watching.

Maximum duration / Timeshift file size

In this field, you can set the maximum duration of your timeshift recording in minutes. Since the maximum size of the timeshift file is dependent on this value, enter the maximum recording time and the resulting maximum file size will be displayed.

Overwrite buffer if completely filled

After activating this option and if the maximum duration is exceeded during the timeshift recording, previously recorded parts will be overwritten starting from the beginning of the recording.

Timeshift file path

After clicking the **Browse...** button, you can enter the path to where you want your timeshift recording to be temporarily saved on your hard drive. The **Free disk space:** field displays how much disk space is still available for recordings. (This value is dependent on your hard disk capacity and on the maximum duration for timeshift recordings.)

Screen saver

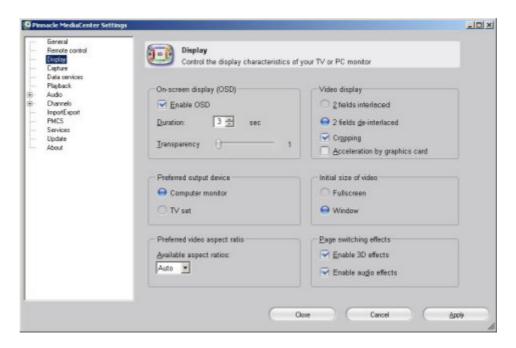
In this section, you can decide whether to activate or deactivate a screen saver for the Pinnacle MediaCenter.

Advanced Remote Control Settings



Click an option button to select the type of remote control you received in the package.

Advanced Display Settings



In this menu, you can configure all the display settings for the Pinnacle MediaCenter:

On-screen display (OSD)

Enable OSD

After activating this option, OSD displays give you detailed information about the current TV or radio program, the music playing, the movie showing or the photo displayed in the Pinnacle MediaCenter.

Duration

In this section, set how long an On Screen Display should remain on the screen.

Transparency

Here, you can set the level of transparency for the On Screen Displays on the Pinnacle MediaCenter interface.

Preferred output device

Indicate whether your media should be played back on your computer monitor or on your TV set.

Preferred video aspect ratio

Here you can select the picture size for the Pinnacle MediaCenter.

Video display

2 fields interlaced

If this option is active, two fields are "woven" into a full screen. However, this may result in the edges becoming pixilated.

This setting is optimal for displaying images without a lot of movement, for example, news broadcasts, or for playing back non-interlaced images, for example, DVDs.

2 fields de-interlaced

Activating this option smoothes the edges of pixilated images so that a sharper image is produced. This setting is therefore optimal for displaying images with a lot of quick movement, for example, sports broadcasts, but should be deactivated when playing back images which have previously not been interlaced (for example, DVDs).

Cropping

Activating this option suppresses any interference patterns on the upper and lower edges of the image.

Acceleration by graphics card

If this option is active, the MPEG stream is partially decoded by the graphics card, which reduces the CPU load.

Note that this function is only available if your graphics card is suitable for decoding.

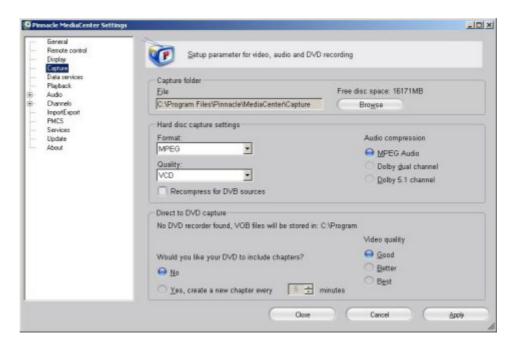
Initial size of video

This is where you select whether your video should appear in fullscreen or in a window after starting the program.

Page switching effects

In this field, you can activate or deactivate 3D effects and/or audio effects for the transitions between menus.

Advanced Capture Settings



In this menu option, you can configure all the settings for making recordings using the Pinnacle MediaCenter.

Capture folder

After clicking the **Browse** button, you can select where you want your recordings to be saved on your hard drive. The **Free disk space:** field displays how much disk space is still available for recordings.

Hard disk capture settings

Format

This is where you select the recording format for videos saved onto your hard drive.

Quality

In this field, select the quality of your video recordings. The available quality options depend on the previously selected recording format.

Recompress for DVB sources

After activating this option, the recorded file is automatically converted into the recording format set for digital recordings in this dialog. This means that you can, for example, burn the recorded file onto DVD.

Audio compression

Here you can select which audio format should be used for audio recordings saved onto you hard drive.

Direct to DVD capture

With the Pinnacle MediaCenter, you can quickly and easily burn files directly onto DVD - without having to waste time saving it to your hard drive beforehand.

If the Pinnacle MediaCenter cannot find a suitable DVD recorder for direct DVD recording on your system or if no suitable medium has been placed in the recorder, this field displays the name of the directory where the recorded files will be saved on your hard drive.

Would you like your DVD to include chapters?

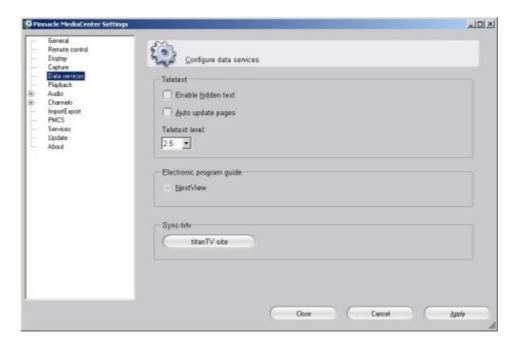
Here you can decide whether the recorded file will be saved on DVD with or without chapter divisions. If you decide to have chapter divisions, set the length of the individual chapters.

Video quality

Here you can select the quality level of your direct DVD recording.

Note that lower video quality requires less disk space. This also means that the maximum recording time is dependent on the video quality. Therefore better and best quality reduces the possible recording time.

Advanced Data Services Settings



In this menu option, you can configure the settings for various data services:

Teletext

For more information about teletext, refer to the Teletext chapter.

Enable hidden text

Here you can select whether hidden text (for example, VPS data or puzzle solutions) in the teletext window should always be displayed or should remain hidden.

Auto update pages

After activating this option, teletext pages are automatically updated.

Teletext level

Here you can change the teletext level. A lower teletext level means a simpler teletext display while a higher level enables, for example, high-resolution graphics, an extended special character set and numerous fonts.

Not all teletext services support a higher level, however the feature is backwards-compatible so that even if you select a high level that is not compatible, the teletext can be displayed at the lower level.

Electronic program guide

For more information about the electronic program guide, refer to the Electronic Program Guide (EPG) chapter.

Activate this option if the **NextView** system be available by default for an analog electronic program guide (EPG) via antenna.

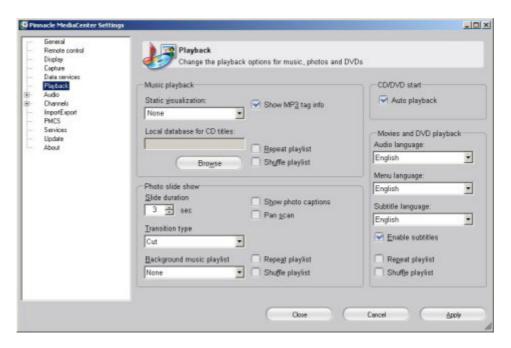
Sync tvtv

Click the **titanTV** site button to got to the tvtv Internet site, where you have access to an online electronic program guide (EPG).

If you would like to set up a tvtv user account and take advantage of tvtv services (for example, the convenient recording function), click **tvtv Internet access** and follow the instructions.

For more information, refer to the tvtv Manager chapter.

Advanced Playback Settings



In this menu, you can configure the settings for the playing back music, photos and movies.

Music playback

Static visualization

Here you can choose between different visualizations that can be displayed on your screen while you listen to music.

Show MP3 tag info

Activate this option to display different types of information during MP3 playback, for example, artist and title.

Local database for CD titles

After clicking the **Browse** button, select the path for your music database.

Repeat playlist

In this field, you can activate or deactivate repeat mode.

When repeat mode is on, all of the titles you have selected in the category (for example, the playlist or album) are played repeatedly.

You can activate or deactivate repeat mode for the current playback at any time in the Music menu.

Shuffle playlist

In this field, you can activate or deactivate shuffle mode.

When shuffle mode is on, all of the titles you selected in the category (for example, in the playlist or genre) are played in random order.

You can activate or deactivate shuffle mode for the current playback at any time in the Music menu.

Photo slide show

Slide duration

In this field, you can enter how long a photo should be shown during a slideshow.

Show photo captions

Activate this option to display the name of the current photo during photo playback.

Pan scan

To make the presentation of your photos more exciting, activate this option to place a Pan and scan filter over your photos. During a slideshow, an image is then lightly zoomed in on so that only a cutout of the image is visible as the image moves back and forth during the photo presentation.

Transition type

At this point, you can select the type of transition between the individual photos during photo playback.

Background music playlist

If you would like to enhance your slideshow with a bit of background music, select the music you want via this menu option.

Repeat playlist

In this field, you can activate or deactivate repeat mode.

When repeat mode is on, all the photos you have selected in the category (for example, the playlist or album) are played back repeatedly.

You can activate or deactivate repeat mode at any time in the Photo menu.

Shuffle playback

In this field, you can activate or deactivate shuffle mode.

When shuffle mode is on, all the photos you selected in the category (for example, in the playlist or genre) are displayed in random order.

You can activate or deactivate shuffle mode at any time in the Photo menu.

CD/DVD start

Activate the **Auto playback** option to allow a DVD to start playing immediately after you put it in your DVD drive.

Movies and DVD playback

Audio language

Here you can set the default language for the soundtrack of your DVDs.

Menu language

Here you can select which language should be used by default to the display the menu of your DVDs.

Subtitle language

Here, you can set the default language for the subtitles on your DVDs.

Enable subtitles

When you activate this option, subtitles are displayed by default when you play your DVDs.

Repeat playlist

In this field, you can activate or deactivate repeat mode.

When repeat mode is on, all the movies you have selected in the category (for example, in the playlist) are played back repeatedly.

You can activate or deactivate repeat mode at any time in the Movie menu.

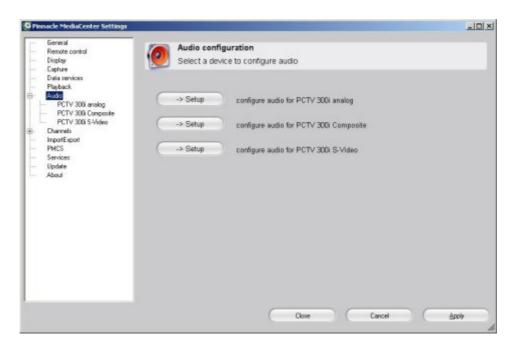
Shuffle playback

In this field, you can activate or deactivate shuffle mode.

When shuffle mode is on, all the movies you selected in the category (for example, in the playlist) are played back in random order.

You can activate or deactivate shuffle mode at any time in the Movie menu.

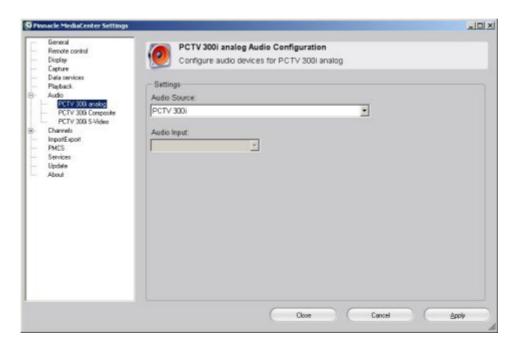
Advanced Audio Settings



In this menu option, you can configure the audio settings for the hardware peripherals connected to your system.

After clicking **Audio**, all the available hardware devices will be displayed. Now click a specific piece of hardware in the tree structure or the corresponding **Setup** button in the Audio configuration dialog.

In the window that now appears, you can configure the audio settings for the selected device:



Audio Source

This is where you select the sound card that you want to use.

When you select your TV hardware at this point, PCI audio streaming occurs so that the sound card is not used for recording and you therefore do not need to select an audio input.

Audio Input

At this point, you can select which sound card input should be used for audio playback.

This option is not available if you have selected your TV hardware as an audio source.

Advanced Channel Settings

Advanced Channel Settings - Overview



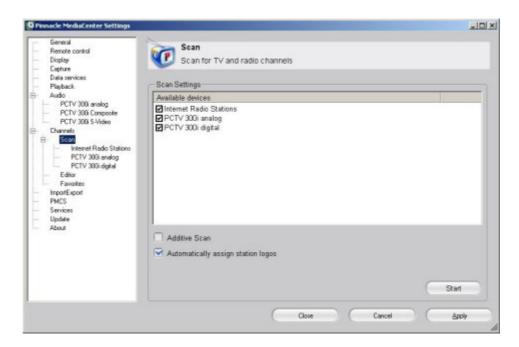
In this menu option, you can:

- Configure a channel scan.
- Edit existing channel lists or individual channels and export channel lists.
- Create and edit lists of your favorite channels.

To do this, click of the respective entry in the tree structure or the corresponding button in the Settings dialog.

Advanced Channel Settings - Scan

To perform a complete channel scan and thereby create a new channel list, go to the tree structure on the right and click **Channels** under **Scan**. Now you see a list of the available hardware devices, for which you can configure specific settings and scans.



Select which devices should have a channel scan performed for them. In addition, you can configure additional settings for a channel scan in this window:

Additive Scan

When you select this option and then perform a scan, a new channel list is not generated. Instead, any new channels found are added to the existing list.

Automatically assign station logos

When you activate this option, a channel is automatically assigned the corresponding station logo (if available).

Start channel scan

If you are finished configuring the settings, click **Start**, and the channel scan will begin.

During the scan, the current status of the channel scan is displayed in a separate window. Click **Cancel** to cancel the channel scan at any time.

After the channel scan, you are automatically sent to the Advanced Channel Settings - Favorites page, where you can organize the channels that were found.

Specific Settings

To configure addition settings for the hardware used for the channel scan, click the corresponding hardware in the tree structure or in the Settings dialog:

Note that depending on the hardware selected, it is possible that only a few of the settings listed are configurable.

Import channels from file

If you would like to import an already existing channel into the Pinnacle MediaCenter, activate this menu option. In the **Open** dialog that now appears, select the corresponding file and import it by clicking **Open**.

Country

Select the country where you are currently located.

Video Standard

Select a suitable video standard from this field (for example, PAL, NTSC, SECAM).

Scan Mode

At this point, you can decide how the channel scan should be performed. Do you want a channel scan that is as quick as possible, or would you prefer to receive the channels in the best quality possible, or should the channel scan take place at normal speed and include all the channels that can be received?

Input Type

Indicate here whether you receive TV/radio via antenna or cable.

Allow Scrambled Channels

After activating this option, scrambled channels will also be included in the channel list during a channel scan.

Signal Amplifier

If this option is selected, channel signals are strengthened during the channel scan.

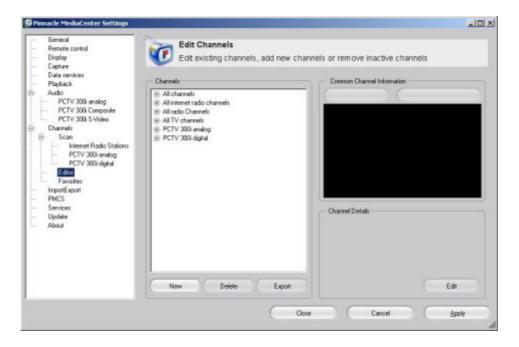
Automatically delete invalid channel URLs from storage

When you activate this option, Internet radio stations are automatically deleted from the channel list if the station URL is not longer valid. Note that Internet access is required for this.

After you have finished configuring the settings, click the \rightarrow Scan button. You will be taken back to the Scan page, where you can start the channel scan.

Advanced Channel Settings - Editing Channel Lists

After you have performed a channel scan, you have the option of editing existing channel lists, changing individual channels or exporting channel lists from the Pinnacle MediaCenter via the menu option **Editor**.



Viewing the channel list

In the middle part of the window, the channel list with all the available channels is displayed. This list is sorted according to various criteria (for example, **All radio channels**, **All TV channels**).

To list the channels from a specific grouping, click the corresponding entry.

Editing a channel

If you would like to edit a channel in the channel list, click that channel. Under **Common Channel Information**, the station logo (if available) and the channel name are displayed. Under **Channel Details**, you will find additional channel information, for example, the URL, the frequency or the video standard.

When you click the **Edit** button after selecting a channel, a window appears where you can modify the settings for the selected channel:

Note that depending on the channel selected (TV or radio, analog or digital), it is possible that only a few of the settings listed are configurable.

Channel

In this field, you can change the channel number.

Frequency

Here you can change the frequency.

Fine Tuning

Use the fine tuning slider to optimize the reception quality of the channel if necessary.

Country Code

Select the country where you are currently located.

Video Standard

For analog reception, select the TV standard for your area (for example, PAL BG).

Media Type

Indicate here whether you receive the channel via antenna or cable.

URL/link for streaming source

Here you can enter a new link for the audio source for Internet radio stations.

Internet/Radio audio stream / video stream

Indicate here whether the channel uses an audio or video data stream.

Deleting a channel

To delete a channel from the channel list, select the channel and click the **Delete** button.

Adding a channel

After clicking the **New** button, a window opens which displays the channel list where you can add a new channel.

Depending on your TV hardware, the settings available in this menu option may vary.

Channel name

Here you can enter the name of the new channel.

Name/device

In this field, select the hardware which should receive the new channel.

Channel

In this field, enter the desired channel number.

Frequency

Here you can enter the frequency of the new channel.

Fine Tuning

Use the fine tuning slider to optimize the reception quality of the channel if necessary.

Country Code

Select the country where you are currently located.

Video Standard

For analog reception, select the TV standard for your area (for example, PAL BG).

URL/Link for streaming source

Here you can enter the link for the audio source of the new channel.

Internet/Radio audio stream / video stream

Indicate here whether the channel uses an audio or video data stream.

Deleting a channel list

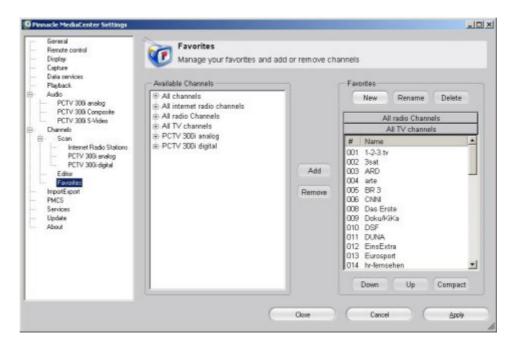
To delete a channel list, select the channel list and click the **Delete** button.

Exporting a channel list

To export a channel list from the Pinnacle MediaCenter, select a list and then click the **Export** button. In the **Save as** dialog that now appears, select the directory where the channel list should be saved, and then click **Save**.

Advanced Channel Settings - Favorites

After you have performed a channel scan, you can create and edit lists with your favorite channels in the **Favorites** menu option.



In the left part of the window, every available channel is displayed. In the right part, all the existing channel and Favorites lists are displayed.

Creating a new Favorites list

To create a new Favorites list, click the **New** button, enter the name of the new Favorites list in the window that now appears, and click the **Generate** button. The new Favorites list is then created.

Now select channels from the channel list on the left side of the window and add them by clicking **Add** or by dragging and dropping them into the Favorites list.

Editing or deleting a Favorites List

If you would like to change an existing Favorites list, you have the following options:

Renaming the Favorites list

To rename a Favorites list, select the list in the right part of the window and click the **Name** button. In the window that now appears, enter the new name and click **OK**.

Removing a Favorites list

To delete a Favorites list, select the list in the right part of the window and click the **Remove** button.

Removing channels from a Favorites list

To delete a single channel from the Favorites list, select the channel and click the **Remove** button. The channel including the channel number is deleted. All the subsequent channels retain their original number, however, the Favorites list has a gap in the numbering sequence.

Clicking the **Compact** button after the deleting a channel will remove the gap in the channel numbers and make them consecutive again.

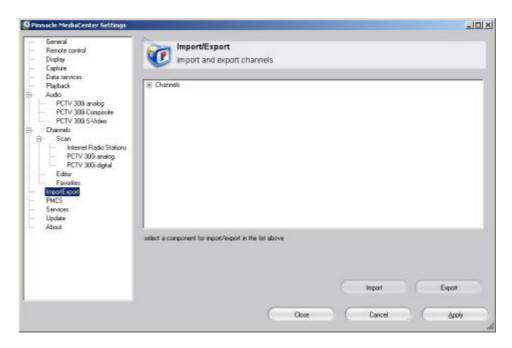
Add a channel to a Favorites list

To add a new channel to a Favorites list, select a channel from the channel list in the left part of the window and import it into the Favorites list by clicking the button **Add** button or by dragging and dropping.

Changing the channel sequence

To change the sequence of the channels in a list, select a channel and click the **Down** or **Up** buttons until the channel is located in the desired position. Or you can change the position of a channel by dragging and dropping it in the desired position.

Advanced Import/Export Settings



In this menu option, you can import or export existing channel lists into or out of the Pinnacle MediaCenter. This lets you save channel lists for different broadcast areas and to activate them at the corresponding location - without having to perform a channel scan again.

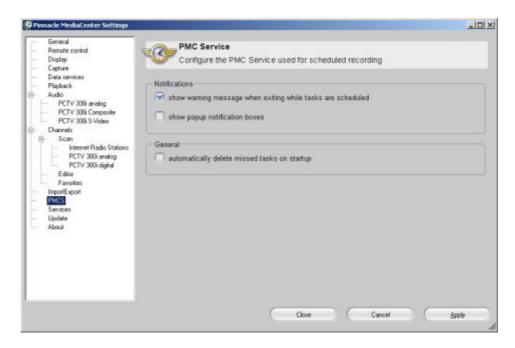
Import channel list

To import a channel list into the Pinnacle MediaCenter, click the **Import** button. Now the **Open** dialog appears where you can select the channel list you want. After that click **Open** again. The channel list you selected is now imported into the Pinnacle MediaCenter.

Export channel list

To export a channel list from the Pinnacle MediaCenter, select a list and then click the **Export** button. The **Save as** dialog now opens so you can select the directory where you want to save the file. Then click **Save**. The channel list is now exported into the directory you selected.

Advanced PMCS Settings



In this menu option, you can configure all the settings effecting Pinnacle MediaCenter Services.

Notifications

Show warning message when exiting while tasks are scheduled

When you activate this option, every time the Pinnacle MediaCenter is exited and a scheduled recording is still running, a warning is displayed. This helps avoid canceling a recording by accident.

Show popup notification boxes

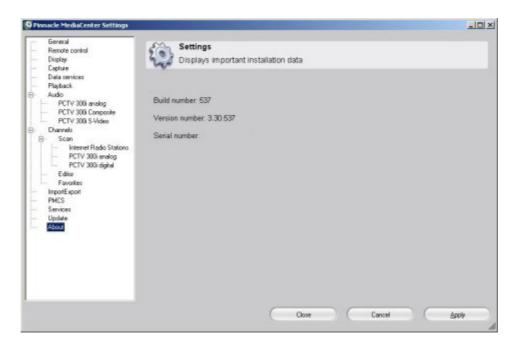
When you activate this option, important information (for example, at the beginning or end of a scheduled recording or while accessing EPG information) is displayed above the Pinnacle MediaCenter icon in the task bar.

General

Automatically delete missed tasks on startup

When you activate this option, scheduled recordings which did not occur are automatically deleted from the recording list the next time the program is started.

Advanced Settings - About the Pinnacle MediaCenter



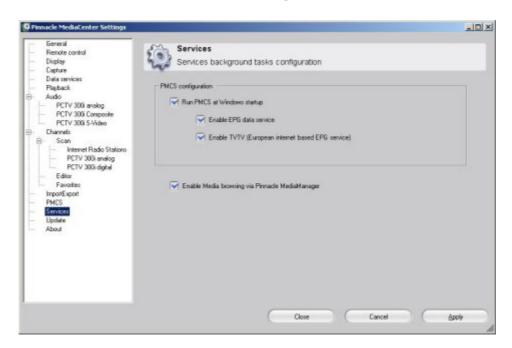
This is where certain information about the Pinnacle MediaCenter is displayed. This information may be important, for example, if you have any questions for the Pinnacle Systems support team.

Advanced Update Settings



After clicking the **Check now** button, you are automatically sent to the Pinnacle Systems Web site, where you can download the latest updates for the Pinnacle MediaCenter.

Advanced Services Settings



This menu option lists various services offered by the Pinnacle MediaCenter. Clicking these services enables them so that the respective service is executed in the background and is available in the Pinnacle MediaCenter at any time. If you would prefer not to use a specific service, you can disable it. This also reduces the CPU load on your system.

Pinnacle MediaManager

Overview

What the Pinnacle MediaManager Does

The Pinnacle MediaManager is installed on your PC so that you can import the following:

- Music files
- Movies and other video files
- Digital photos

You can manage and organize these files in the MediaManager database which is constantly updated.

You can also create personal playlists – compilations of your favorite songs, movies or photos organized according to your own criteria. These playlists can also be exported so that, among other things, you can burn an audio CD.

Main Window of the Pinnacle MediaManager

You can launch the Pinnacle MediaManager from the Pinnacle program group in the **Start Menu** or by double-clicking the Desktop shortcut. The following window will open:



The window contains the following sections:

Section 1:

The Tools section with the **Import, Organize, Playlists** and **Export** tabs, located in the upper left-hand corner.

Section 2:

The **Media Player** in the upper right-hand corner.

Section 3:

The **Media Library** with the **Music, Movies** and **Photos** tabs, located in the bottom half of the window.

Menu Bar:

At the very top of the window is the menu bar, which contains the **File**, **Edit**, **Tools** and **Help** menus.

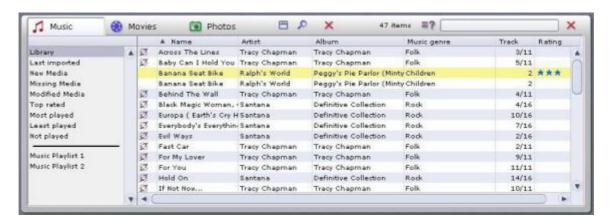
The window layout varies depending on what tools and lists you have selected; the three sections work together closely and interactively. How the sections work individually is explained in detail in the following chapters.

We will first focus on the Media Library and the Media Player to give you the basic tools you need to use the application.

In later chapters, we will look at the more advanced functions – Import, Organize, Playlists and Export – as well as the menus.

The Media Library

Introduction to the Media Library



Media Types

The Media Library displays the contents of the database sorted by media type. Access each media type by clicking on the corresponding tab:

- Music tab
- Movies tab
- Photos tab

Categories

For each media type, you can toggle between the categories listed on the left-hand side.

Library

Displays all the files in the database.

Last imported

Displays the most recently imported files. For example, if you import 3 CDs in a row, you will only see the tracks from the third CD.

New Media

All the files imported over the past twenty-four hours.

Missing Media

Although the media displayed here exist as entries in the database, the associated files are no longer where they were saved originally. They can no longer be found because they have been either accidentally deleted, moved or renamed. These entries are marked in the left column of the Media Library with the corresponding icon.

The Pinnacle MediaManager automatically looks for missing media at certain time intervals. You can set the time interval via the **File** under **Settings**. If you want to do a manual search, select **Find missing media** from the Shortcut menu or via the **Tools** menu.

You can access the Shortcuts menu by right clicking the entry you want in the Media Library list. From here, you can use the **Repair missing media** function to browse for missing files or you can "repair" broken links by entering the new file location or file name.

Modified Media (applies only to music file)

If you use a different software program to modify the ID3 tags of your music files, the data no longer corresponds to the values in the Pinnacle Media Manager database. This situation is automatically detected in a way similar to **Missing Media**. The entries are marked in the left column with the corresponding icon.

You can now enter new values for the ID3 tags via the function area **Organize**. Or you can also update the database by reading the values of the modified ID3 tags from the file. To do this, select the entries, right click and then select **Update values from file** in the Shortcut menu.

Highest Rating

Files given a four or five star rating are displayed here. The rating is assigned either via the Shortcut menu or via the function area **Organize** and displayed using star icons.

Playback Counter

The Pinnacle MediaManager contains a playback counter, which displays and categorizes media files according to the following categories:

Frequently played:

The media files displayed are the ones played most frequently by the user.

Rarely played:

The media files displayed are the ones played least frequently by the user, but have been played at least once.

Not yet played:

The media displayed are the ones, which have not yet ever been played.

The playback counter can be reset via the Shortcut menu.

Automatic playlists are created and constantly updated for the categories Highest rating, Frequently played, Rarely played, and Not yet played.

User-Defined Playlists

The files in the selected playlist are displayed.

Details

The right-hand list displays details for individual files. These details will vary depending on whether you have selected the Music, Movies or Photos media type tab. These sorting criteria are also called tags.

Depending on which media type you select, you may see the following information: file status, track/movie/photo name, date created, etc.

As in Windows Explorer, you can left-click a column header to resort the files in the list.

You can change the order of the columns by left-clicking the column headers and dragging them to a new location.

Right-clicking a column header will bring up a pop-up menu where you can choose which columns to display and which not.

Icons

The icons in the left column of the Media Library have the following meanings:

The file has accidentally been deleted or moved or it can no longer be found because it has been renamed.

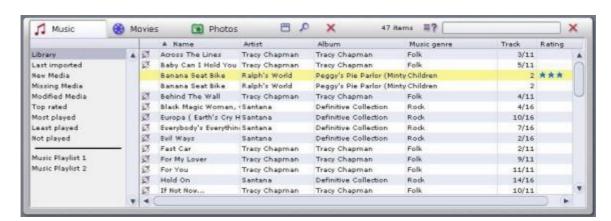
- The original organizational identifiers of the file have been modified.
- The file originates from the Rhapsody Music Service.
- The file is currently being played back.
- The playback of the file is currently on hold.

There are further icons associated with file conversion. They are explained in the section "File Conversion".

Shortcut Menu

Please note that you only need to right click on a list entry in the Media Library to access the extensive Shortcut menu. Most Media Library functions are available here in order to access them more quickly. Simply select the option you want.

Read the following sections carefully to learn how the Media Library can help you find, sort, and delete your media files.



The Sort View in the Media Library

You can toggle the sort view on and off by clicking the A button to the right of the tabs.

Clicking this button will split the list horizontally into two new sections.



The upper half of the list can be used to sort or filter the media files displayed in the lower half. In other words, in the upper half you set a filter that selects which files can be displayed in the lower half.

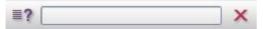
Example: You have activated the Music tab and now want to display all the tracks in your database in the Soul genre.

You can open the menu with the button and determine which columns should be displayed in the sort view. We recommend listing photos, for example, according to date.

Searching in the Media Library



On the far right-hand side of the Media Library is the search field:

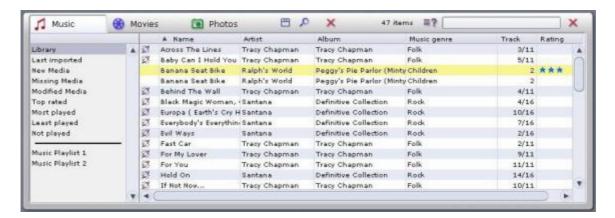


To quickly find a particular media file in the database, just enter any search term in the search field.

You can use the button to determine whether only certain ranges in the database should be searched, e.g. according to "Name", "Artist" or "Album", or whether the entire database should be searched.

Any files that have names containing the search term will be displayed in the list. To enter a new search term, simply click in the search field and overwrite the old search term, or clear the field by clicking the button.

Deleting Files in the Media Library



Deleting Files

To the right of the tabs is a **\times** button.

Select one or more files in the list and then click this button.

The entries are deleted from the database. The associated media files can also be deleted from the hard disk if you select the corresponding option in the dialog box displayed.

If you want to include the files in the database again, you will have to reimport them.

The Media Player

Using the Media Player and Its Controls



The Media Player plays the media files in the database on your PC. Video files and photos are played/displayed on its 16:9 screen. To toggle full-screen playback on your PC monitor, double-click the Media Player screen. Double-click the screen again to revert to the main Pinnacle MediaManager view. Audio files are played back using your sound card and computer speakers. Audio files also require you to use the Media Player controls.

To make them easier to use, all controls have a tooltip field that appears when your mouse pointer is placed over the buttons.

Individual Explanations of Controls:





Start/Pause Playback

Select a file in the Media Library and then double-click it. The movie or the photo will appear on the Media Player screen, and the button will change appearance. Click the button again to stop playback.

In the left column of the Media Library next to each entry, the corresponding icons appear in miniature.



Previous

Click this button to play back the previous file in the playlist.



Next

Click this button to play back the next file in the playlist.



Shuffle

The music, video or photo files will be played/displayed in random order.



Repeat

If you click this button while a playlist is being played, the list will be played back over and over until you deactivate the feature by clicking the button again.

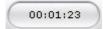


Video Format

While playing a movie, you can click this button to select the video format (standard 4:3, letterbox or widescreen 16:9. Note that a tooltip field will appear when you place the cursor over this button. The video format you select for a movie will be saved in the database – you won't have to reset it the next time you watch the movie.

Progress Bar

This slider indicates by its position how much of the current audio or movie file you have heard or seen. You can also move back and forth to anywhere in the file by dragging the slider with your mouse.



Time Display

This shows you how long the audio or video file has been playing.

Volume Control

Located on the right-hand side of the screen section, this slider can be dragged up and down with the mouse to set the volume.



Click this button to turn the sound on and off.

Importing Media Files

Introduction to the Import Tab

You will see the following window if you select the **Import** tab in the Tools section:



You can import media files to the MediaManager Database from the following sources:

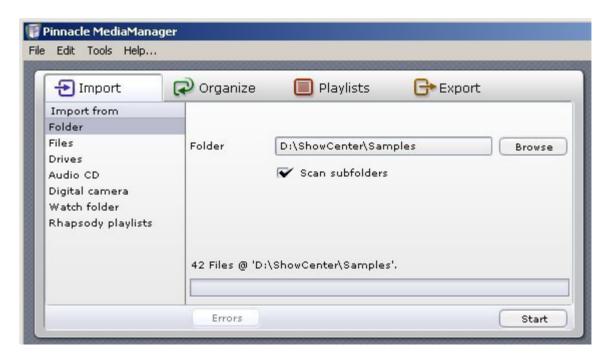
- **Folder:** From a folder on your PC.
- Files: One or more files from a selected folder.
- **Drives:** From any drive on your PC.
- Audio CD: From the audio CDs that you wish to archive in the MediaManager Database.
- **Digital camera:** Photos taken with your digital camera.
- Watch folder: From a watch folder on your PC.
- Rhapsody playlists: Download Rhapsody playlists onto your PC.
 Due to licensing restrictions, this function is not available in every version of the Pinnacle MediaManager.

In the tab for a particular media type in the Media Library, you can see the imported files in the **Last imported** category and in other categories. Right-click the list and select the **Display in Explorer** option from the pop-up menu in order to open the folder on your PC hard drive where the files are stored.

The following sections explain the features for the individual categories in more detail.

Import - Folder

You will see the following window if you select the **Folder** category in the **Import** tab in the Tools section:



Folder

Click the **Browse** button to select which folder on your computer you want to import media files from. Once you have found the folder, click the **Open** button. The folder and the number of files selected will be displayed above the progress bar.

Scan Subfolders

If you activate this checkbox, the application will import any files it finds in the subfolders.

If you are importing photos, the names of the subfolders will also be imported as photoalbum names.

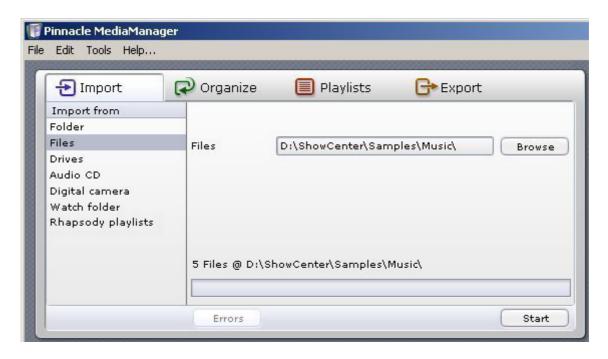
Movie titles act as names for collections. If a movie consists of several files, these files will be grouped together in a collection.

Start

When you are finished with your settings, click the **Start** button. The progress bar will display 100% when the import is complete. You will also be told how many files were imported and how many, if any, were rejected because their format wasn't supported or they were already listed in the database. All imported files will be displayed in the Media Library in the bottom half of the window, listed by media type and category.

Import - Files

You will see the following window if you select the **Files** category under the **Import** tab in the Tools section:



Files

Click the **Browse** button to select which file(s) you want to import to the database from a folder on your hard drive. Once you have selected the files, click the **Open** button. The folder and the number of files selected will be displayed above the progress bar.

Start

When you have made your selection, click the **Start** button.

The progress bar will display 100% when the import is complete. You will also be told how many files were imported and how many, if any, were rejected because their format was not supported or they were already listed in the database.

All imported files will be displayed in the Media Library in the bottom half of the window, listed by media type and category.

Playlists from other programs can also be imported by using this function (M3U format).

Import - Drives

You will see the following window if you select the **Files** category under the **Import** tab in the Tools section:



Hard Disk

In the drop-down list, select the hard drive on your computer that you wish to import media files from.

Ignore 'Windows' and Ignore 'Program Files'

If you have activated these checkboxes, the application will not scan the Windows and/or Program Files folders. This is generally a good idea because these folders generally do not contain any noteworthy media files.

If you are importing photos, the names of the subfolders will also be imported as photoalbum names.

Movie titles act as names for collections. If a movie consists of several files, these files will be grouped together in a collection.

Start

When you are finished with your settings, click the **Start** button.

You will be told how many files were imported and how many, if any, were rejected because their format wasn't supported or they were already listed in the database.

All imported files will be displayed in the Media Library in the bottom half of the window, listed by media type and category.

Import - Audio CD

Due to licensing issues, this function is not available in all versions of the Pinnacle MediaManager.

You will see the following window when you select the **Audio CD** category under the **Import** tab in the Tools section:



This feature allows you to import your audio CDs to the MediaManager Database. The tracks on each CD are read in and separated into individual MP3 files.



You may have problems importing copy-protected audio CDs.

Insert the CD and Select the Drive

Insert the audio CD in your computer's CD drive. If your computer has several CD or DVD drives, you will have to select the drive from the **Drive** drop-down list.

The application will read in the CD tracks and display them by number in the **Track** column.



Get Titles



You will need an active internet connection to use this feature.

The names and titles of all known audio CDs are stored in an internet database. The **Get Titles** feature allows you to import this information to the MediaManager Database along with the tracks from the CD. If you click this button, the application will search for the data online and will generally display it immediately as shown below.

If you cannot connect to the internet or if your CD is not listed in the internet database, you can enter the titles as well as artist and album names manually. Just left-click the corresponding fields to enter this information.

You can also play back individual CD tracks by double-clicking the title. The Media Player will display a special image indicating that you are playing back from the CD.



If you look in the **Start** column, you will see a checkbox for each track. Activating these checkboxes allows you to select which tracks you want to import.

Here's a helpful tip: if you want to select all the tracks at once, right-click the **Start** column and choose **Select all** from the pop-up menu.

Start

When you are finished with your settings, click the **Start** button. During the import, each track is assigned its own progress bar.

The progress bar at the bottom will display 100% once all selected titles have been imported.

In the **Music** tab in the **Media Library**, you can see the files imported from your audio CD in the **Last imported** category and in other categories.

Unless you have already defined a folder in the **Preferences** item in the **File menu**, imported audio files will be saved by default to the ...\My Documents\My Music folder on your PC's hard drive.

Ejecting the CD

Click this button to eject the CD from the drive.

Closing the CD Drive

You can close the CD drive by clicking this button.

Import - Digital Camera

At present, only cameras with WIA drivers are supported. Since Windows 2000 does not support WIA, this feature is only available in Windows XP.

You will see the following window when you select the **Digital camera** category under the **Import** tab in the Tools section:



Camera

To import photos to the MediaManager Database directly from a digital camera, select the camera from the **Camera** drop-down list.

If you connected a new camera to your PC while the MediaManager was active, just click the **Refresh** button. It will then appear in the drop-down list.

Album

Enter a name for your album.

Delete photos on camera

Activate this checkbox to have the photo files removed from your camera's memory after being imported.

Start

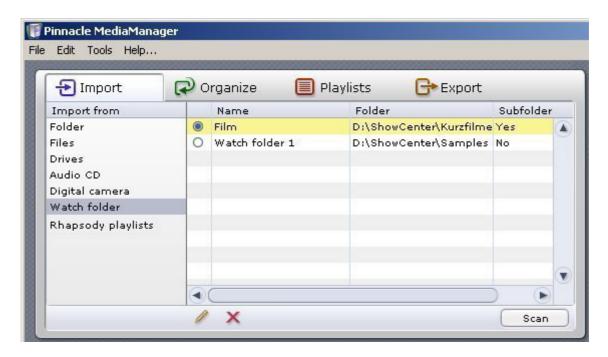
When you are finished with your settings, click the **Start** button. The progress bar will display 100% when all files have been imported.

In the **Photos** tab in the Media Library, you can see the imported files in the **Last imported** category and in other categories.

Unless you have already defined a folder in the **Preferences** item in the **File menu**, imported photo files will be saved by default to the ...\My Documents\My Pictures folder on your PC's hard drive.

Import - Watch Folder

You will see the following window when you select the **Watch folder** category under the **Import** tab in the Tools section:



Here you can specify/add any number of directories as watched directories on your PC. The Media Server constantly checks these directories for new or deleted files and records this information to the database – even if the MediaManager is not active. You can designate the watched directories yourself and see them all in the list in the right half of the window.

Define/Create New Watch Folder

Click this button to define/create a new watch folder.

New watch folders start out active by default. To deactivate a watch folder, click the button in the first column of the list.

Options for Watch Folders

If you click the last column in the list of watch folders, a menu will appear where you can select additional options for each watch folder:

Subfolder

If this option is activated, the server will watch all subfolders as well.

If you are watching folders with photos, the names of the subfolders will be imported as photoalbum names.

Movie titles act as names for collections. If a movie consists of several files, these files will be grouped together in a collection.

Delete Watch Folder

Click this button to delete a watch folder from the database.

Only the reference to the folder will be deleted from the database; the folder itself will still be stored on your PC's hard drive. To make the folder appear again in the database, you will have to redefine it as a watch folder.

Scan

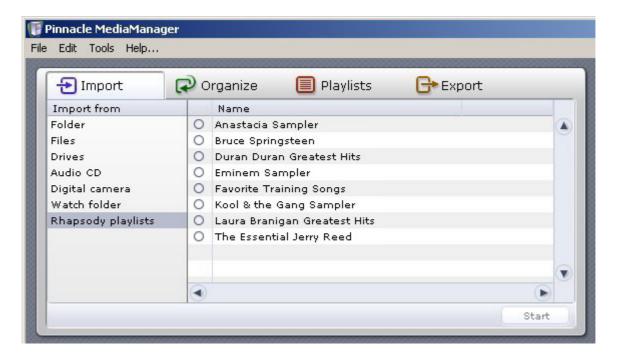
Scan Watched Directories Again

Click on this button to scan all of the watched directories again. This is useful if, for example, the Media Server has been switched off temporarily.

Import - Rhapsody Playlists

Due to licensing restrictions, this function is not available in every version of the Pinnacle MediaManager.

If you select the category **Rhapsody Playlisten** in the function area under the tab **Import**, the window will be structured as shown below. With the help of this function, you can import Rhapsody playlists into the MediaManager Database. The Real Rhapsody application needs to be active in order for the playlists to be displayed.



In the left column of the list, you see a checkbox for every playlist. Click on the checkbox for any number of playlists you would like to have imported.

Start

When you are finished setting preferences, click on the **Start** button.

You can now view the imported titles, for example, in the category **Last** imported under the tab **Music** in the **Media Library**.

Organizing Media Files

Organizing File Tags

Various organizing tags can be used to manage the three media types (music, movies, photos) in the Pinnacle MediaManager. These organizational criteria serve to rank all files of a specific media type.

Organizing tags are exclusive tags. That means that if a music file has been assigned to the Pop genre, it can't also be assigned to the Classical genre.

Music files

The original ID3 tags of the imported files are normally used to categorize these files according to name, artist, album, genre, etc.

If a music file is not categorized according to ID3 tags but according to folder and file names, select **Update values using file/directory names** via the Media Library Shortcut menu. Then select a category structure from the dialog displayed. Compare this to the display underneath and click on **OK**.

Movies

When importing movies, the default categorization criteria for **Genre** is the name of the folder where the movie is found. If the movie is made up of multiple parts, these parts are automatically grouped together into a **collection**. The categorization criteria **Series** is not set by default. You can change this via the **File/Preferences/Import** menu. For example, you can fill the fields **Genre** and **Series** with the names of folders at different levels in the directory hierarchy.

Photos

If you import photos, the directory name is used as the photoalbum name by default. For the creation date, the date the photo was taken (found in the EXIF tag) is used.

Tip: If your photos do not have access to this date, the creation date is first displayed as <Unknown>. When you select the photos, select "Organize" and click on <Unknown>. Select the function "File date" via the menu to set the creation date of the photo. This is usually the date when you copied the photos to your PC.

Customized File Tags (Keywords)

In addition to the organizing tags, you can also assign customized tags (keywords).

These non-exclusive tags will help you to organize your media files.

Assigning a Keyword - An Example

You can create the keyword "My Wedding" and assign all wedding-related media files to it. This will make it a snap at some later date to filter out all the files in "My Wedding" from the rest of the files in the Media Library.

Assigning Several Keywords - An Example

You can assign several keywords to one file. For example, some of the files to which the "My Wedding" keyword has already been assigned can be assigned one or more additional keywords, such as "At the rehearsal dinner", "At the church" or "At the reception".

Display Keywords

This button lets you open the context menu and switch on the keywords display in the Media Library sort view.

Introduction to the Organize Tab

You will see the following window when you select the **Organize** tab in the Tools section:



The **Organize** tab helps you to change or add tags for your media files so as to better organize your files.

Defining a New Keyword

On the left-hand side, you can assign keywords to the media files in the MediaManager Database. You can then use the keywords as search terms in order to find certain files quickly. You can assign several keywords to a single file.

Select one or more files in the Media Library list and click the button to create a new keyword for the selected files.

Deleting a Keyword

Select the keyword you want to delete from the database and then click the button.

Field and Value - Changing Organizing Tags

Whenever you select an entry in the Media Library list, you will also see the value assigned to each field. By double-clicking, you can access and modify the individual values.

For some organizing tags such as Genre, the application will suggest common terms (Pop, Rock, Classical) even if you haven't imported any files in this category. Just click the entry once to see the suggestions.

For music genres, you have the **Rebuild this list** via the Shortcut menu. If you select this option, unused entries are deleted from the list and only those genres are displayed whose media files are assigned in the database.

Once you are finished modifying the values for an entry in the list, click the button to have the values written to the database. The changes will be shown accordingly in the Media Library.

Note: changing tags that are associated with metadata (such as MP3 metadata) will cause these changes to be made in the associated file as well.

Undo Button

Click this button to undo previous changes. However, you can only undo changes if you have yet accepted them by clicking the button.

Rotate Clockwise/Counterclockwise (For Photos)

Selecting a photo from the Media Library will bring it up in the Media Player. You can rotate the photo by clicking on these two buttons.

Next, click the button to have the new position saved to the database. The new position will be used whenever the photo is displayed on the television.

Restricted Access

You have the option of setting the **Restricted access** value for each media file with the click of a mouse.

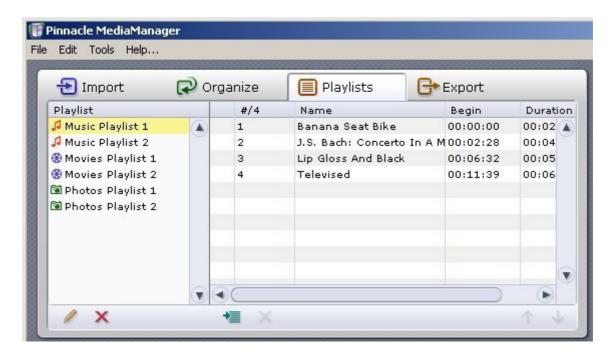
According to the setting value, for a particular file this may mean that the correct access code will have to be entered from the menu of the output device before the file can be played on the output device.

Note: the access code only applies to media playback from the menu of the output device. All files can still be accessed from the MediaManager on your PC.

Using Playlists

Introduction to the Playlists Tab

You will see the following window when you select the **Playlists** tab in the Tools section:



This section is where you create personal playlists in which you list your favorite music, movies and photos, organized according to your own criteria.

Since each playlist can only contain one type of media, you will be creating playlists for music, movies or photos. You cannot mix these different types of media in one playlist.

Playlist Catalog

All the playlists are displayed in the left column.

Individual Playlist Contents

The right column displays the contents of the individual playlists. Selecting a playlist in the left column will bring up detailed information in the right column about the media files in the playlist.

Creating and Editing Playlists



Creating a New Playlist

Click the *button* to create a new playlist.

An input field, which is by default called **Playlist**, will appear in the left-hand side of the list. Double-click the field to access it and enter your own name for the new playlist.

Now it's time to put together the media files you want in this playlist. Select one or more files from the Media Library in the database and drag them up to the right-hand section.

If you do not want to drag with the mouse, you can use the **button** instead.

Organizing Items in a Playlist

Select the file you want to move within the playlist and drag it to its new position. Or, if you prefer, you can use the two ↑ and ▶ buttons instead.

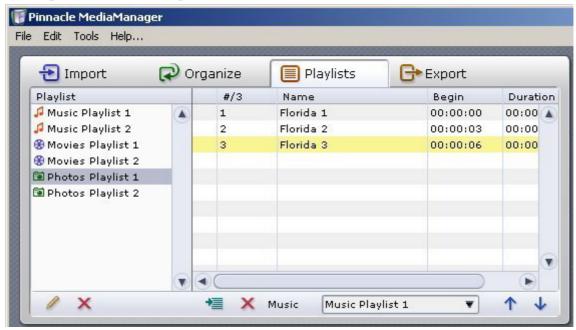
Deleting Playlists or Items

If you want to delete a playlist or remove a file from the playlist, just select it and then click the button.

Slideshows

There are two extra things to do when creating photo playlists ("slideshows"):

- 1. Click the last column for a given entry in order to specify the display time for a photo. If you select **manual**, the slideshow will not automatically continue after that particular photo. To change the display time for all photos at once, first right-click and choose **Select all** from the menu. Then, left-click on the display time for any entry in order to set the time for all photos.
- 2. If you want to play background music during a slideshow then select an appropriate music playlist from the drop-down list. This list will be played to your photos on the output device.



Playback in the Media Player

Double-click an entry in the playlist to play it back with the Media Player. Once that particular item is finished, the application will automatically move on the next entry in the playlist. You can also use the **Next**, **Previous**, **Shuffle**, and **Repeat** functions in the Media Player. When playing back a slideshow, the Media Player will only display the photos; it will not play any selected music playlist.

Exporting Media Files

Introduction to the Export Tab

You will see the following window when you select the **Export** tab in the Tools section:



In this section, you can export copies of media files from your MediaManager playlists to a:

- New folder on your hard drive
- M3U playlist
- CD burner or DVD burner

The following sections explain the features for the individual categories in more detail.

Exporting to a Folder

You will see the following window when you select the **Folder** category under the **Export** tab in the Tools section:



In this section, you can export the items in a playlist to a new folder on your hard drive. The export will create copies of the media files.

Playlist

Select a playlist from the drop-down menu.

Folder

Use the **Browse** button to the right to select the folder you want the playlist to be exported to.

Create subfolders

Activate this checkbox to have subfolders created based on the sort criteria of the original files (e.g., artist, album, photo album).

If a particular file does not have all the tags, this option will create a subfolder called **Unknown**.



Note: this option is not active when you export video playlists.

Create M3U playlist

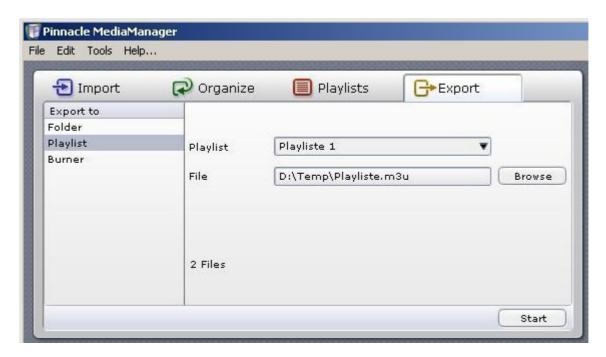
If this checkbox is activated, you will both export the selected playlist to a folder and create an M3U-compatible playlist.

Start

When you are finished with your settings, click the **Start** button. The progress bar will display 100% once all the files have been exported. You will also be told how many files were exported.

Exporting to an M3U Playlist

You will see the following window when you select the **Playlist** category under the **Export** tab in the Tools section:



In this section, you can export a MediaManager playlist to an M3U playlist. The playlist will contain references to the actual location where your media files are stored.

Playlist

Select the playlist you want to export from the drop-down menu.

File

Use the **Browse** button to the right to select the file you want exported to the selected playlist. Then enter the name you want to give to the file.

Start

When you are finished with your settings, click the **Start** button.

Exporting to a Burner

You will see the following window when you select the **Burner** category under the **Export** tab in the Tools section:



In this section, you can export a playlist to burn to CD or DVD.

Playlist

Select the playlist you want to export from the drop-down menu.

Disc type

The choice of output formats will depend on what kind of media files are in the playlist. Select a format from the drop-down list.

Music

Audio CD: You want to burn an audio CD that you can play on your stereo system or in your car's CD player. Any MP3 files will be automatically decoded.

MP3 Data CD/DVD: You want to burn MP3 files to a CD or a DVD. All tracks in the playlist will have to be converted to the MP3 format.

Data CD/DVD: You want to burn original music files (MP3, WMA or WAV) to a CD. Any converted versions will not be used.

Movies

Depending on what format the media files are in and whether converted copies are available, you will be given the option of burning a VCD (VideoCD), SVCD (SuperVideoCD) or DVD. You can always select a **data CD/DVD**, which will

burn the media files in their original format.

You cannot start the burning process if the file(s) is (are) too long for a CD or DVD.

Photos

Photos are always burned as original media files to a data CD/DVD.

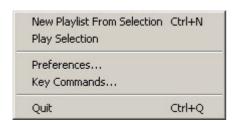
Recorder

Select the burner you wish to use and click **Start**. The progress bar will display 100% when the burning process is complete.

The CD/DVD burner in the Pinnacle MediaManager is optimized for fast, easy burning. It cannot create DVD menus nor can it spread long files/playlists over several discs. If you need more sophisticated burning features, we recommend using Pinnacle INSTANT CD/DVD.

The Menus

The File Menu



The File Menu Contains the Following Options:

New Playlist From Selection

If you have selected one or more files in the Media Library and then choose this option, the selected files will be used to create a new playlist.

On the left-hand side of the Media Library, you will see an input field with a default name where you can enter your own name for the new playlist.

For more information, consult the Creating and Editing Playlists section.

Play Selection

Select one or more files from the Media Library and choose this option. The selection will now be played back / displayed in the Media Player.

Preferences

Choosing this menu item will bring up a dialog box where you can make all your settings for the Pinnacle MediaManager:

Audio CD Import

- Format (quality and bitrate)
- Speed

General

- Language
- Data conversion settings
- Skin settings
- Specify the access code (PIN) for restricted file access
- Define folders for audio, video and image files and for temporary files

Playback

Playback settings: device and memory buffer

Key Commands

Choosing this menu item will bring up a dialog box where you can create, edit and delete customized key commands and macros.

Quit

Choose this option to exit the Pinnacle MediaManager.

The Edit Menu



The Edit Menu Contains the Following Options:

Cut

Select the text you want to move and click **Cut** in the menu. Then, click the location where you want to paste the text and click **Paste** in the menu. The text will be removed from its original location and inserted at the new location.

Copy

Select the text you want to copy and click **Copy** in the menu. Then, click the location where you want to paste the text and click **Paste** in the menu. The text will remain at its current location and will also be inserted at the new location.

Paste

This command allows you to paste text at one location that you have cut or copied from another location using the Cut or Copy commands.

Delete

Select the files and then choose this option from the menu in order to permanently remove the files.

Select All

This option allows you to simultaneously select all the files in an active area (e.g., the Media Library list).

Select None

This option allows you to undo the selection for files in an active area (e.g., the Media Library list).

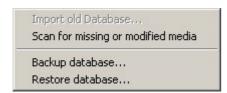
Select Invert

This option allows you to simultaneously select all the files in an active area (e.g., the Media Library list), or to undo an existing selection.

Browse

This option brings you to the Media Library sort view. There is a separate, more detailed section in the manual for this feature.

The Tools Menu



In the Tools menu, you have the following options:

Import old database

With this function, you can import a database created with version 1.5 or older of the ShowCenter application

Find missing/modified media

To do a manual search for missing or modified media in the database, select this option. The search runs in the background and can take several minutes. The missing and modified media are then marked in the left column with their own icons.

Save database

With of this function, you can save an existing database. Select the option and then indicate the desired target directory and file name. This procedure saves an XML file. You can also generate more than one XML file, for example, at different intervals.

Restore database

This function is used to restore a saved database. The Pinnacle MediaManger automatically chooses the correct target directory in order to make the previously saved XML files available again. The selected file is then loaded into the database so that the media files in the Media Library are visible again.

Real Rhapsody Music Service

Real Rhapsody Music Service - Overview

The Rhapsody Service is currently not available in all areas. Check www.rhapsody.com for current information as to whether Rhapsody is available in you country.

The Rhapsody Music Service from RealNetworks gives you unlimited access to one of the largest legal music databases in the internet. Choose from over 700,000 titles for your playlists and put your own radio stations together. Used with the ShowCenter, you can now also listen to Rhapsody music in the comfort of you own living room. Pinnacle MediaManager automatically imports all the titles and radio stations in your Rhapsody Library and even lets you combine Rhapsody music with other titles to create new playlists.

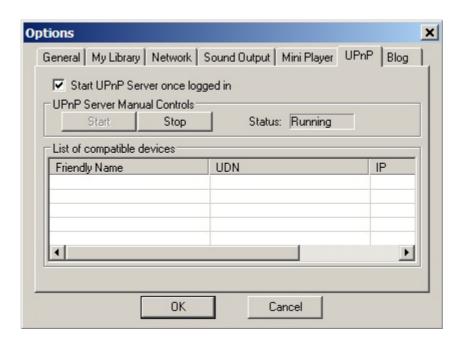
Due to licensing restrictions, not every version of the Pinnacle MediaManager supports the Rhapsody Music Service.

Installation and Registration

To use the music service, you need the Rhapsody application, as well as a subscription - you can get both at www.rhapsody.com. Download the Rhapsody application and install it on the same PC where the ShowCenter software is also installed

Configuring the Rhapsody application

After starting up and registering the program, open the **Options** menu and select **User Settings...** . n the dialog window, click on the tab **UPnP** and activate the checkbox **Start UPnP Server once logged on**. Then click on **Start** to start the UPnP server.



Now you can fill the Rhapsody application library with the music of your choice, as well as select radio stations and even configure the application yourself.

Rhapsody music and the Pinnacle MediaManager

All the titles and albums in the Rhapsody Library are automatically imported into the Pinnacle MediaManager Media Library and are available as music under the genre **Rhapsody**. This synchronization is also done when the Pinnacle MediaManager is closed.

You can modify the synchronization settings or deactivate the synchronization process via **File/Preferences/Rhapsody**. Note that the synchronization of a large library can last several minutes.

In the Pinnacle MediaManager, Rhapsody titles are marked with their own icon. You can create playlists of Rhapsody titles, as well as mixed playlists of Rhapsody music together with, for example, MP3 titles.

All the playlists created with the Rhapsody application are displayed and can be imported into the Pinnacle MediaManager, via **Import/Rhapsody playlists**. Older playlists with the same name are not overwritten.

Due to licensing restrictions, the playback of Rhapsody titles via the Pinnacle MediaManager on a PC is currently not possible.

Rhapsody music and the ShowCenter Player

Just like other music, Rhapsody titles are displayed in the TV menu **Music** in the ShowCenter Player. However, Rhapsody titles are marked with their own icon. Note that it can take several minutes until newly added music is displayed in the ShowCenter Player.

Radio stations in the Rhapsody Library are automatically made available via **Music/Internet Radio/Rhapsody Radio**.

You can play back Rhapsody music via the ShowCenter Player only if the Rhapsody application has already been started and you have logged on.

File Formats

Supported File Formats

Supported Audio File Formats

- MP3
- WAV
- WMA

Supported Video File Formats

- MPEG 1
- MPEG 2 (including VOB files)
- MPEG 4 AVI (Versions 3, 4, 5) [simple profile]
- XviD AVI [simple profile]
- DV AVI
- WMV

Supported Photo Formats

- JPG
- PNG
- GIF
- BMP

Converting Files

The Pinnacle MediaManager can convert **media into other formats**. For example, you can convert an MPEG 2 movie file into the MPEG 1 VCD format for burning onto a CD.

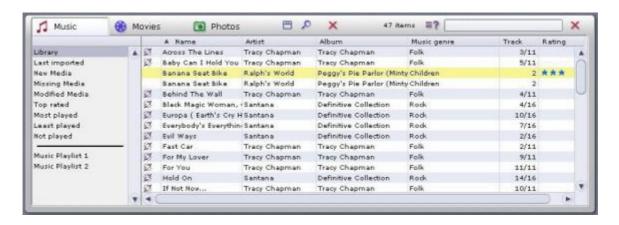
If you use the Pinnacle ShowCenter, this file conversion function is useful for formats, which you cannot directly play back via the ShowCenter Player such as, for example, DV-AVI video clips.

During conversion, a copy of the media is created, while the original file remains unchanged. You can define where to save this copy in the **File/Preferences** menu of the Pinnacle MediaManager. Here you can also configure an automatic media conversion, as well as keep track of the current status of running conversions.

In order to convert a media file, select it in the Media Library, right click and then select the format you want via the Shortcut menu **Convert/Convert to**. You can initiate conversions for more than one medium at a time. These conversions are then queued and processed one after the other. Conversion runs in the background and keeps going, even if you close the Pinnacle MediaManager.

File Status

For each media type, the **Media Library** displays details on individual files in the **list to the right**. **The first column** shows the **file state**, which describes the file's **conversion status**.



Any file in a given category can have one of the following file states (indicated by the icon):

•

The file needs to be converted before it can be played back.

(B)

The file can be found in the conversion queue.

The file is currently being converted.

0

The conversion of this file is completed.

Conversion Options

Right-click a file in the list to bring up the **pop-up menu**, where you can choose among the following options:

Convert to

The selected file will be converted. You can choose between the following movie formats:

VCD (VideoCD)

The video is compressed using MPEG 1 to one-fourth of its original image size (352x240 or 288). The data rate is 1.15 Mbps in total. That means that one CD (650 MB) can hold a little over an hour's worth of video and audio. While the video quality is rather poor, VCDs can be played back in most DVD players.

SVCD (SuperVideoCD)

The video is compressed using MPEG 2 with full vertical resolution and 2/3 horizontal resolution. The data rate is 2.5 Mbps and one CD can only hold a little less than a half an hour's worth of video and audio. The video quality is much better than on a VCD, but only some DVD players accept the SVCD format.

DVD LongPlay

The video is compressed using MPEG 2 with full vertical resolution and 1/2 horizontal resolution. The data rate is 3.5 Mbps, which makes for very good-quality video. DVD LongPlay can be burned to DVDs and is accepted by virtually all DVD players. It is also an excellent format for converting high-data-rate video to a low enough data rate to be able to play it back over a wireless network.

DVD

The video is compressed using MPEG 2 with full resolution. The data rate is 6 Mbps, which may produce excellent-quality video, but it is too high to be transmitted over a wireless network. Converting to DVD format only really makes sense for wired 100-Mbps networks or for burning a DVD that essentially all DVD players can read.

The audio is always compressed using the MPEG 1 layer 2 format (stereo).

Delete converted files

With of this function, you can delete the converted files. The original files remain unchanged.

Cancel conversion

A planned or already running conversion is cancelled. The original file remains unchanged.

Pinnacle MediaCenter

Pinnacle MediaCenter Functions

The Pinnacle MediaCenter offers you the extensive and diverse functions of a modern multi-media program. Its convenient and easy-to-use displays let you enjoy a wide variety of media such as television, radio, music, movies, photos, and lets you access a broad range of products offered by various online services:

- In the **TV** area, you can keep track of the current TV schedule and the shows you have recorded not only directly on your PC, but also from the comfort of your armchair or sofa thanks to the full screen mode and the remote control included. In addition, you can use the teletext function and the Electronic Program Guide (EPG) to get quick and comprehensive information about the TV schedule as well as all the latest news.

 Want to record a TV show? With a simple push of a button, you can start recording the current TV program at any time. Use the EPG function to quickly and simply program your machine to record upcoming shows. You won't have to miss any of your favorite TV programs again.

 Even annoying interruptions while watching TV are no longer a bother
- In the **Radio** area, you can receive every available FM radio station. You can also create radio playlists in the "Advanced Settings" so that you can receive a radio station assigned to a certain category at any time. Recording FM radio broadcasts is quick and easy with the Pinnacle MediaCenter either press a button to record the current program immediately or schedule an upcoming radio program for later enjoyment.

 In addition, the Pinnacle MediaCenter lets your receive Internet radio.

because you can delay watching a program by using the timeshift function.

- In the **Movies** area, you can view movies from a CD/DVD or from your hard disk all this using the remote control from the comfort of your sofa. No need to get up and fiddle with the PC. If you have previously categorized your movies in the Pinnacle MediaManager, you can easily access these categories and select movies according to certain criteria
- In the **Music** area, you can access CDs or files created in the Pinnacle MediaManager. Play back your music according to any criteria you set (for example, according to music genre or artist) and select just the right music to suit your mood or the occasion.

- In the **Photos** area, you can view photos saved on your hard disk or on CD. Photos can also be categorized in the Pinnacle MediaManager (for example, the pictures from your last vacation or that one party or simply those taken on a certain date) so that you see only those photos that you really want to see quickly and hassle-free. If you want to show off your photos, you can also set up a slideshow to display them as a group.
- In the **Online** menu option, you have access to various online services. These services even include being able to watch videos on demand.

Pinnacle MediaCenter User Views

In the Pinnacle MediaCenter, you can select between two different user views. Each user view is optimized for the different ways of using the Pinnacle MediaCenter:

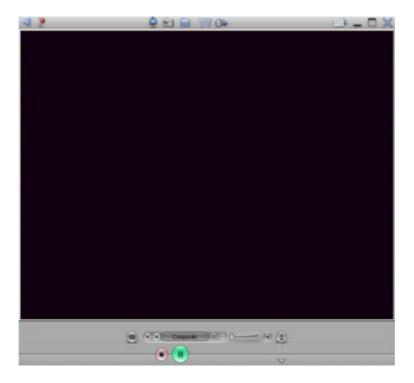
The **Remote View** is optimized for operation with the remote control. The entire menu is accessible from the Pinnacle MediaCenter window and each menu option is easy to read even from a distance. This lets you use your remote control to play back and edit media from the comfort of your own sofa.

Of course, you can still operate the Pinnacle MediaCenter with your mouse or keyboard while in the remote view. You can also display the PC view control bars in the remote view and use them to operate the Pinnacle MediaCenter.



The PC View is optimized for use with your mouse or keyboard. This view is especially useful when you use the Pinnacle MediaCenter while working at your desk (for example, for watching TV while working on the computer). The menu bar-shaped buttons are arranged at the top and bottom of the Pinnacle MediaCenter window and are easily activated with a click of the mouse.

Since you will be mainly using this view when working at your computer, PC view menus are only displayed if necessary so that as little screen space as possible is used.



You can switch between the PC view and the remote view at any time when using the Pinnacle MediaCenter:

- To go to the remote view, press the **P** or **Menu** button on the remote control (depending on the remote control) or click the **P** button in the upper control bar.
- If you double-click in the preview or information window when you are in the remote view, this window opens in full screen and takes you to the PC view.

If you are interested in other ways of displaying the preview or information window in full screen and thereby accessing the PC view, refer to the chapter "Pinnacle MediaCenter Window Formats".

Using the Pinnacle MediaCenter in the remote view and in the PC view is described in greater detail in the corresponding chapters.

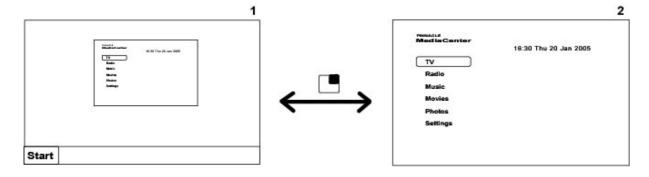
Pinnacle MediaCenter Window Formats

The Pinnacle MediaCenter lets you switch between various window sizes and formats. These options let you customize the Pinnacle MediaCenter window according to your needs.

For example, would you rather play back media directly from your desk while working at you PC or from your TV chair? Do you want your Pinnacle MediaCenter window to take up the entire screen so that you can read all the menu options well even at a distance or do you want to minimize the window so that you can continue working on your PC during playback? Would you like to watch TV or movies or view photos in full screen mode or should the menu remain visible?

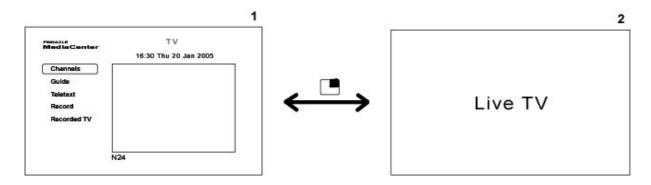
The Pinnacle MediaCenter is very flexible in accommodating your wishes. The following explains how to display the various window formats:

Pressing the "Full Screen" Remote Control Button for a Normal-Sized Window Without Preview or Information Window



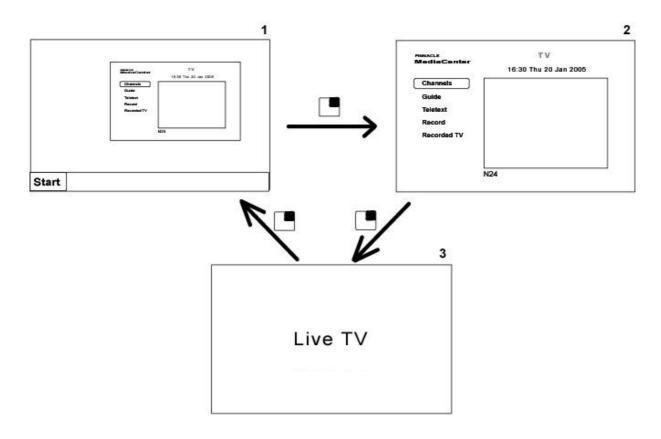
If you have opened the Pinnacle MediaCenter in normal size and there is no preview or information window in the current menu (for example, the main screen in the remote view) (1), you can switch between the normal-sized Pinnacle MediaCenter window and full screen (2) by pressing the **Full Screen** button on your remote control.

Pressing the "Full Screen" Remote Control Button for a Full Screen Window with Preview or Information Window



If you have opened the Pinnacle MediaCenter in full screen and the menu displayed contains a preview or information window (for example, the TV menu in the remote view) (1), you can switch between the entire Pinnacle MediaCenter window in full screen and the preview/information window in full screen (2) by pressing the **Full Screen** button on your remote control.

Pressing the "Full Screen" Remote Control Button for a Normal-Sized Window with Preview or Information Window

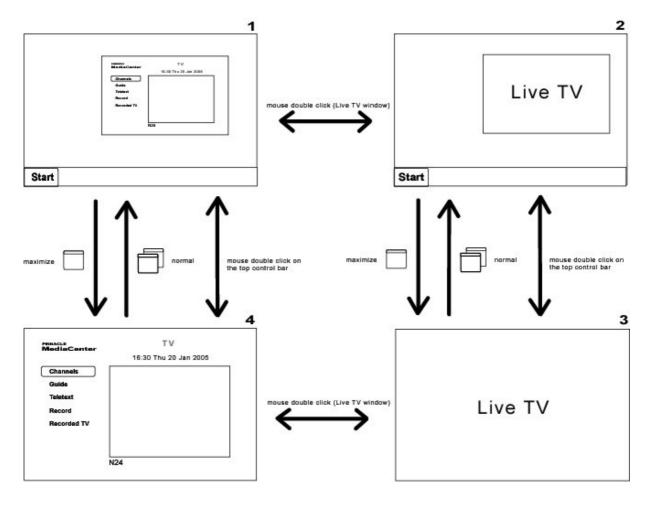


If you have opened the Pinnacle MediaCenter in normal size and the menu displayed contains a preview or information window (for example, the TV menu in the remote view) (1), you can display the entire Pinnacle MediaCenter window in full screen (2) by pressing the **Full Screen** button on your remote control.

If you press the **Full Screen** button again, only the preview/information window is displayed in full screen (3).

If you press the **Full Screen** button a third time, you are taken back to the original window, that is, the entire Pinnacle MediaCenter window in normal size (1).

Clicking the Mouse in a Normal-Sized Window with Preview or Information Window



If you have opened the Pinnacle MediaCenter in normal size and the menu displayed contains a preview or information window (for example, the TV menu in the remote view) (1), double-clicking will only display the preview/information window in normal size (2).

If you double-click again, you are taken back to the entire Pinnacle MediaCenter window in normal size (1).

If you have opened the Pinnacle MediaCenter in normal size and the menu displayed contains a preview or information window (for example, the TV menu in the remote view) (1), you can display the entire Pinnacle MediaCenter window in full screen (4) by clicking the **Maximize** button in the upper control bar or double-clicking the upper control bar.

If only the TV window is displayed in normal size (2), you can enlarged it to full screen by clicking the **Maximize** button in the upper control bar or double-clicking the upper control bar (3).

If you double-click again or click the **Minimize** button, the TV window returns to normal size (2).

If you double-click the TV window in full screen (3), you display the entire Pinnacle MediaCenter window in full screen (4). If you double-click again, the TV window appears again in full screen (3).

If you click the **Minimize** button or double-click the upper control bar when the Pinnacle MediaCenter is in full screen (4), the Pinnacle MediaCenter window will switch to the original normal size (1).

Remote View (optimized for operation with the remote control)

Overview

Operating the Pinnacle MediaCenter Remote View

The Pinnacle MediaCenter remote view is optimized for operation with a remote control. The menu is not only extremely visible even from distance but it is also easy to operate with your remote control buttons. It simply invites you to make yourself comfortable in your easy chair or on the sofa and enjoy the media in your Pinnacle MediaCenter.

And you can, of course, use either your keyboard or your mouse to operate the Pinnacle MediaCenter remote view.

To simplify this manual, the instructions on how to operate the remote view of your Pinnacle MediaCenter will be based mainly on the use of your remote control. However, the same functions found on your remote control can also be used via the function keys on your keyboard or by using your mouse.

On-Screen Menu Buttons

You can operate many of the functions in your Pinnacle MediaCenter using the on-screen menu buttons displayed on your screen (for example, the individual menu options on the main screen).

If you want to display a menu option, you can do one of the following:

- Select that option using the arrow buttons on your remote control
- Use the **cursor keys** on your keyboard.
- Click the menu option once with your mouse.

To open this menu option, you can do one of the following:

- Select the menu option and then press the Confirm button on your remote control.
- Select the menu option and then press the **Enter** key on your keyboard.
- Double-click the menu option with your mouse.

The menu option you have selected now opens.

Remote Control Buttons and PC Function Keys

You can also operate several of the functions *directly* using the remote control that came with the product or using your PC keyboard - without having to activate an on-screen menu button (this includes the fast forward function when watching a television recording).

- The remote control buttons required for the functions are described in detail
 in the individual chapters of this documentation.
 You can also refer to the documentation that came with your remote control
 to get an overview of the functions assigned to the different buttons.
- You can also use certain function keys on your keyboard to execute the same commands available on your remote control. In this case, the individual function keys correspond to specific buttons on your remote control. Read the following overview to find out which keys on your keyboard are used to perform which functions:

The PC view and the "Advanced Settings" in the Pinnacle MediaCenter can only be accessed using your keyboard or mouse.

Function	PC function keys
Exit the PMC	ALT+F4
Switch between full screen and preview window	ALT+F or ALT+Enter
OSD channel list	Enter (while watching TV)
Channel info/Help (depending on remote control)	ALT+I
Mute On/Off	M
Toggle between the last two channels	ALT+L
Volume +/-	+/- or CTRL+Cursor Up/Down
Channel +/-	Page Up/Page Down
OK/Confirm	Enter
Start page/menu (P key; depending on remote control)	Esc
Jump to live position during timeshift playback	F5

Function	PC function keys
Start recording	С
Pause in TV mode: Start timeshift recording	Space bar
Previous Track/Next Track	Pos1/end
Back (depending on remote control)	Back
Play	Р
Stop	S
Rewind/Fast Forward in teletext mode: Display previous/next subpage	R/F
TV	F5
Teletext	F6
Radio (depending on remote control)	F7
EPG	F8
Enter numbers	1/2/3/4/5/6/7/8/9
0/AV (switch video input)	0
Selection of on-screen menu buttons	Cursor
in teletext mode: Display previous/next page	Cursor Up/Down
Switch between letters and numbers (C/N)	CTRL+C
Delete entry	Del

Control Bars

To quickly and easily operate your Pinnacle MediaCenter, you have two control bars in the remote view which you can use to directly access important functions with your mouse.

To display the control bars, move your mouse in the Pinnacle MediaCenter window. The control bars disappear automatically a few seconds after you stop moving your mouse.

For more information, refer to the chapter "PC View (optimized for operation with mouse)".

Main Screen of the Pinnacle MediaCenter Remote View

You can start the Pinnacle MediaCenter remote view using the Start menu and the Pinnacle program group. Simply double-click the desktop link or press the **TV** button (remote control type A) or the **Pinnacle** button (remote control type B) on your remote control.

The **main screen** of the Pinnacle MediaCenter then opens:



The main screen provides you with an overview of seven menu options:

- The menu options **TV**, **Radio**, **Music**, **Movies**, and **Photos** give you access to the functions for each particular type of media.
- You can use the **Online** area to access the various online services available.
- In the **Settings** menu, you can configure the most important Pinnacle MediaCenter settings.

You can configure more advanced settings in the "Advanced Settings Dialog". For more information, refer to the chapter "Advanced Settings".

The following sections provide you with detailed information about the numerous options available to you in the individual menu options.

For more information about operating the Pinnacle MediaCenter, refer to the chapter "Operating the Pinnacle MediaCenter Remote View".

TV Menu

TV Menu Overview

If you select **TV** in the main screen of the Pinnacle MediaCenter, the following window appears:



The individual menu options give you access to the following functions:

- Channels: Use this menu to select channels from the channel list.
- **Guide**: This menu gives you access to an Electronic Program Guide (EPG). Use this guide to not only get an excellent overview of the TV schedule but to help you schedule and program recordings.
- **Teletext**: Use this menu to activate teletext.
- **Record**: This menu lets you record TV shows.
- Recorded TV: This menu lets you play back or edit previously recorded shows.

In addition, you can make **timeshift** recordings while watching television. The individual TV menu functions are explained in detail in the following sections.

Information Window

In the Pinnacle MediaCenter, the current TV schedule of the last channel selected is displayed in an information window. You won't miss a minute of your favorite show, even if you are in the middle of scheduling recordings or looking up tomorrow's TV schedule in the EPG.

For more information about switching between the information window and full screen mode, refer to the chapter "Pinnacle MediaCenter Window Formats".

Selecting Channels

When you select **Channels** in the TV menu, the following window appears:



Switching Channels

Channel lists

On the right side of the window, all the channel lists created in "Advanced Settings" (for example, Music, News, and Sports) as well as the entry **All TV Channels** are displayed.

To change the current TV channel, select **All TV Channels** or select the channel list you want and confirm your selection. A list of all the channels or the channel assigned to the selected list is now displayed.

An EPG window located on the lower edge of the screen shows you information about the selected channel (if EPG service is available). This information includes the start and stop time of the program currently showing and a short description of the content. This gives you an optimal overview of the schedules for the channels in the list.

After you select and confirm a certain channel, its schedule is displayed in full screen mode.

Channel list

When you are watching television in full screen mode or in the preview window, you can also use the **Channel+/Channel-** buttons on your remote control to change the current channel according to the sequence in the channel list.

Or you can press the **Confirm/OK** button on the remote control. This displays the channel list in On Screen Display mode. Use the arrow buttons on your remote control to select a channel and confirm.

Direct channel input

When you are watching live TV in full screen mode or in the preview window, you can also select a channel directly with your remote control or with your keyboard:

To do this, simply enter the number of the channel you want using the number keys on your remote control or the number keys on your keyboard. The TV schedule of the channel you select is then displayed.

Switching between the last two channels

Press the **Switch Between Channels** button on your remote control to switch back and forth between the last two channels (for example, to avoid irritating commercial breaks).

After changing channels, the number of the current channel is displayed for a few seconds on the screen.

Video Input

When you press the **AV** button, you can sequentially switch between the available video input sources on your TV card (for example, from antenna to S-video). And depending on your hardware and the reception, you even have the option of switching between analog and digital television.

Volume

To regulate the volume while watching TV, use the **Volume** +/- buttons on your remote control. Press the **Mute on/off** button to turn the sound off. Turn it back on by pressing the button again.

When you change the volume, a status bar with the current volume level or a "Sound off" icon is displayed on the screen for a few seconds.

On Screen Display (OSD): General Information

You can configure detailed settings affecting the behavior of the On Screen Display in the Settings menu.

When you turn on live TV or switch channels while watching TV, an EPG On Screen Display appears (if EPG service is available) with the following information:

- The name of the current channel and its number in the channel list
- The current language (if available)
- The page format (if available)
- The audio mode (if available)
- The current time and date
- The display of the time status of the current program
- The start time, name, and short description of the current show, as well as of the next show

If no EPG service is available, the following information is displayed:

- The name of the current channel and its number in the channel list
- The page format (if available)
- The audio mode (if available)
- The current time and date

This OSD disappears after a few seconds.

If you would like to display the OSD again manually (without changing the channel), press the ? button or the **Info** button (depending on the remote control). The same information including a volume level bar is displayed. If you have not set the OSD to disappear automatically in the Settings menu, the OSD disappears again when you press the **?/Info** again.

On Screen Display (OSD): Audio Settings

When you are watching TV in full screen mode or in the preview window and you press the **B** button on your remote control, an On Screen Display appears where you can change your audio settings:

On the left side of the OSD, all the supported audio modes are displayed. All the languages available for the current program are displayed on the right side of the window.

Use the arrow buttons to select a new audio mode and/or a new language and activate it by pressing the **OK/Confirm** button on your remote control.

Pressing the **B** button again will hide the On Screen Display and apply the changes you made.

Electronic Program Guide (EPG)



This menu is only available if an EPG service is present.

When you select **Guide** in the TV menu or press the **EPG** button on your remote control, the following window appears:



The EPG (Electronic Program Guide) function is an electronic TV guide which gives you not only a quick and easy-to-read overview of the TV schedule but also makes recording TV shows a snap.

The EPG menu contains an EPG program list, a time and channel button, as well as a time and channel display.

Press the arrow buttons on your remote control to move back and forth between these areas and within the program list.

Sorting the EPG Program List

You can sort the program list by the time or by channel. You do this by selecting and confirming the corresponding button.

Sorting the EPG program list by time

When you select and confirm the **Time** button, the current time is displayed on the upper edge of the screen and all the programs scheduled to be broadcast at the current time are listed in the program list.

When you select the time display on the upper edge of the screen and press the **left arrow** or **right arrow** buttons on your remote control, the displayed time is

updated in half-hour increments. Or you can use your mouse to press the "left arrow" or "right arrow" buttons to change the time display.

The EPG program list now displays the shows that will be broadcast at the time indicated.

Sorting the EPG program list by channel

After you select the **Channels** button and confirm it, the current channel is displayed on the upper edge of the screen and the schedule of the current channel appears in the program list, beginning at the current time.

When you select the channel display on the upper edge of the screen with the arrow buttons and press the **left arrow** button or the **right arrow** button on your remote control, the position of the channel changes within its channel list. Or you can use your mouse to press the "left arrow" or "right arrow" buttons to change the channel display.

The EPG program list now contains the schedule for the channel just chosen, beginning at the current time.

If you would like to modify the channel list in order to display the schedule of a different channel in the EPG program list, select the channel display and confirm it. This displays the list of channel lists from which you can select a new channel list or the **All TV Channels** entry. After you have confirmed your selection, you are taken back to the EPG menu.

EPG Information

An EPG window on the lower edge of the screen displays information about the selected channel. This includes start and stop times, a status bar for the time status of the program currently showing and a short description of the content.

You can access detailed information about the selected schedule in the program list by pressing the **?/Info** button on your remote control (depending on the remote control) or by clicking the **More Info** button. An EPG window now opens displaying the show time, the channel, the name of the program, as well as an extensive description of the content.

You can exit this EPG window by pressing the **?/Info** button again (depending on the remote control).

Viewing a Show in the EPG Program List

After you select and confirm a show in the EPG list that is currently being broadcast, the show is displayed in full screen mode.

Recording a Show From the EPG Program List

Using the EPG function, it is easy to record a show.

To do this, select the show your want from the EPG program list and press the **Record** button on your remote control:

A program that is currently being shown is recorded immediately. The recording of a program in the future is scheduled.

You can tell whether a show is currently being recorded or if a show is scheduled to be recorded by the record symbol in the EPG channel list.

Pausing, Editing or Deleting Recordings in the EPG Program List

You can edit or delete recordings being made right now or recordings scheduled in the future directly in the EPG menu.

To do this, select the corresponding program and confirm your selection or press the **Record** button. In the window that now appears, you can pause, process or delete the recording.

To pause a running recording or delete a scheduled recording, you can also select the corresponding program in the EPG program list and press the **Stop** button on your remote control.

Teletext

When you select **Teletext** in the TV menu or press the **Teletext** button on your remote control, the following window appears:



The teletext menu consists of two areas. On the left side of the window, you will find TOP text. On the right side, you will see the teletext window. You can switch back and forth between the two areas by pressing the **right arrow** and **left arrow** buttons on your remote control or the cursor keys your keyboard. If no TOP text is available, only the teletext window is displayed in the Teletext menu.

TOP - The Intelligent Table of Contents

TOP text is displayed in the left part of the window. TOP (Table of Pages) is an optional radio station service that is not, however, supported by all stations. It works like a table of contents where all the information available in a particular subject area is linked. This lets you quickly navigate though the teletext listings in a user-friendly environment - without having to know the page numbers.

You can quickly and easily get to the information you want by selecting a topic with the arrow buttons and confirming it.

If a topic has further subtopics (marked with a "+" before the topic title), you can open the list of all subtopics by selecting and confirming the topic. If you again select and confirm the topic, the list of subtopics disappears.

Teletext

The teletext for the current TV channel is displayed is displayed on the right side of the window. This is text information that is sent as part of the TV signal.

Switching between teletext pages

You can now switch to the next or to the previous teletext page by pressing the **Up** or **Down** buttons on your remote control. Or you can use your mouse to click the "Up" arrow and "Down" arrow buttons below the teletext window. You can also enter a page number directly into your remote control or keyboard, and the corresponding page will open.



Note that you can only enter page numbers between 100 and 899.

Switching between teletext subpages

A teletext page may have one or more subpages. You can access them by pressing the **Rewind/Fast Forward** buttons on your remote control. Or you can use your mouse to click the "Left" arrow and "Right" arrow buttons below the teletext window.

If the active teletext page has no subpages, these options are not available.

FLOF - Page Navigation (Depending on the Remote Control)

FLOF is another way for you to quickly and easily access interesting teletext topic areas.

With FLOF, you can open the highlighted information pages (red, green, yellow, blue) displayed on the lower edge of the teletext window directly with your remote control - without having to enter individual page numbers.

In order to display a specific teletext area, press the **Miscellaneous Functions** button with the corresponding color on your remote control. The corresponding teletext page now opens.

Recording Live Television

When you select **Record TV** in the TV menu, the following window appears:



You can now start recording immediately, schedule a future recording or change the existing schedule for future recordings.

If you open this menu while recording a TV show, you can cancel the recording or change the recording schedule settings.

The following menu options are available:

- Record Now
- Guide
- Record Manually
- Scheduled Recordings

Record now

While you are watching TV, you can record the TV show at any time by pressing the "Record" button on your remote control. Press the "Stop" button to stop recording.

Recording the current program

If you want to record the current TV program right now, select **Record now** and confirm it. The **Record now** button changes to **Record...**, and the recording of the current program starts.

Or you can press the **Record** button on your remote control.

Changing the settings of a currently running recording

In order to obtain more detailed information about the currently running recording or to change the recording schedule settings during the recording, select and confirm the **Record** button.

In the window that now appears, you can stop the recording or change the duration/end time of the recording:

- To end the currently running recording, select the **Stop** button.
- To change the *duration*, select the Duration field with the arrow buttons and press the **OK/Confirm** button. With the **Up** and **Down** buttons on your remote control, you can enter the duration in minutes. If you enter the number "999", your recording will have no time limit.

 Or, after confirming the Duration field, you can enter a number with a
 - maximum of three digits.

 After you have set a new recording time, press the **OK/Confirm** button
 - again.

 To change the sten time select the Sten time field with the arrow buttons
- To change the *stop time*, select the Stop time field with the arrow buttons and press the **OK/Confirm** button. With the **Up** and **Down** buttons on your remote control, you can enter the duration in hours.
 - Now press the **OK/Confirm** button again to activate the minute display. You can enter the minutes in five-minute increments with the **Up** and **Down** buttons on your remote control.
 - Or, after confirming the Stop time field, you can enter a number with four digits which stand for the hour and minute display of the stop time.
 - After you have set a new stop time, press the **OK/Confirm** button again.
- After selecting and confirming the **OK** button, your changes to the recording settings will take effect.

Guide



This menu is only available if an EPG service is available.

After selecting and confirming this menu option, the EPG window appears where you can record shows and edit recordings.

For more information about using the EPG menu, refer to the chapter "Electronic Program Guide (EPG)".

To record a program, select the channel you want from the EPG channel list and press the **Record** button on your remote control. The recording either starts or is scheduled. You can see this by the recording icon in the EPG program list.

To edit a currently running recording or a scheduled recording, select the corresponding program from the EPG program list and confirm your selection or press the **Record** button.

In the window that now appears, you can pause, edit or delete the recording. To pause a running recording or delete a scheduled recording, you can also select the corresponding program in the EPG program list and press the **Stop** button on your remote control.

Record Manually

If you select and confirm this menu option, the following window appears:



This is where you configure the settings for recording manually:

- Channel: This is where you enter the channel you want to record. Use the arrow buttons to select the Channel field and then confirm your selection. A list of all the channel lists now appears. Select the list which includes the channel you want. In the channel list that now appears, select the channel you want.
- Day: Enter the day when the program should be recorded.
 Use the arrow buttons to select the Day field and then confirm your selection.
 Use the Up and Down buttons to select a day and then confirm your selection.
- **Recording time** (Start time, Stop time, Duration): Enter two of the required time values, and the third will be calculated automatically.

Start time: Use the arrow buttons to select the Start time field and then confirm your selection. With the **Up** and **Down** buttons on your remote control, you can enter the hour of the start time.

Now press the **OK/Confirm** button again to activate the minute display. You can now enter the minute of the start time with the **Up** and **Down** buttons on your remote control.

Or, after confirming the Start time field, you can enter a number with four digits for the hour and minute display of the Start time.

After you have set a new start time, press the **OK/Confirm** button again.

Stop time: Use the arrow buttons to select the Stop time field and then confirm your selection. With the **Up** and **Down** buttons on your remote control, you can enter the hour of the stop time.

Now press the **OK/Confirm** button again to activate the minute display. You can enter the minute of the stop time with the **Up** and **Down** buttons on your remote control.

Or, after confirming the Stop time field, you can enter a number with four digits for the hour and minute display of the stop time.

After you have set a stop time, press the **OK/Confirm** button again.

Duration: To change the **duration**, select the Duration field with the arrow buttons and press the **OK/Confirm** button. With the **Up** and **Down** buttons on your remote control, you can enter the duration in minutes.

Or, after confirming the Duration field, you can enter a number with a maximum of three digits. If you enter the number "999", your recording will have no time limit.

After you have set a new duration, press the **OK/Confirm** button again.

- Frequency: Enter the frequency that the recording should be repeated. Use the arrow buttons to select the Frequency field and then confirm your selection. Use the **Up** and **Down** buttons to select a frequency (for example, "daily" or "weekly") and then confirm your selection.
- Format: You can change the recording format here.

 Use the arrow buttons to select the Format field and then confirm your selection. Use the Up and Down buttons to select a recording format and then confirm your selection. Note that when recording digital TV, you cannot set the recording format.
- **Destination**: Enter the location where you would like to save your recording. Use the arrow buttons to select the Destination field and then confirm your selection. Use the **Up** and **Down** buttons to select a location and then confirm you selection.
- After selecting and confirming the **OK** button, the recording you want is scheduled.

Make sure that your computer is turned on at the time the recording is scheduled to start and that your Pinnacle hardware is not being used by any other software.

Scheduled recordings

If you want to change or delete previously scheduled recordings, select the **Scheduled recordings** menu option and confirm your selection. The following window now appears:



All of your scheduled recordings are displayed here.

If you want to change a recording, select it and confirm your selection. In the window that now appears, you can edit or delete the scheduled recording.

Changing scheduled recordings

If you want to edit the scheduled recording (for example, change the recording time or the date), select **Edit** and confirm your selection. The settings for this recording are now displayed and you can edit them.

Deleting scheduled recordings

If you want to delete the scheduled recording, select **Delete** and confirm your selection. The recording settings are deleted, and the recording will not take place.

Recorded TV

When you select **Recorded TV** in the TV menu, the following window appears:



On the right side of the window, you see all the currently available recordings including information about the channel, the recording date, and the recording time.

Addition information for each selected recording is located in the information window on the lower edge of the screen.

You can now either play back a recording or delete it. Select the recorded program and confirm your selection.

Playing Back a Recording

In the window that now appears, you can play back the recording you want by selecting and confirming the **Play** button or by pressing the **Play** button on your remote control.

Deleting Recordings

You can delete a previously selected recording by selecting the **Delete** button and confirming it.

Timeshift

The Pinnacle MediaCenter timeshift function lets you conveniently watch the current TV show in timeshift mode.

Irritating interruptions when watching TV are now a thing of the past. With just the push of a button, you can interrupt the current TV show and go back to watching it later at any time. In the meantime, the rest of the TV program is automatically recorded to a temporary area on your computer. Note that the size of the temporary area determines the amount of the material that can be recorded (for more information about the size of the temporary area, refer to chapter **Advanced Settings**).

All you need to do to resume watching the program from the point you stopped is to press a button, and the recording is played. At the same time, the current program continues to be recorded in the background so that you don't miss a minute of the show.

This lets you fast forward and rewind the timeshifted show in quick motion while it is still being recorded, as well as skip over certain parts (for example, commercials) or repeat parts (for example, the deciding touchdown in a football game) or switch back to live TV.

Starting a Timeshift Recording

To start a timeshift recording, press the **Pause** button of your remote control while watching TV. The current TV program is now recorded to a temporary area on your computer.

Viewing a Timeshift Recording

Playing a timeshift recording

To watch a timeshift recording, use the **Rewind** or **Previous Track** buttons on your remote control to jump to a specific place in the recording and continue watching from this point. In the meantime, the live TV show continues to be recorded.

Within the timeshift playback, you can use the **Rewind/Fast Forward** buttons or the **Previous Track/Next Track** buttons to repeat parts or to skip them. Use the **Rewind/Fast Forward** buttons to move forwards or backwards at a uniform speed within the recording. Use the **Previous Track/Next Track** buttons to jump backwards or forwards in the timeshift recording according to a previously set time interval (for more information about setting this time interval, refer to the chapter **Advanced Settings**).

Interrupting timeshift playback

Press the **Pause** button on your remote control to interrupt the timeshift playback. To continue playback, press the **Pause** button or the **Play** button again.

Returning to live position

If you want to return to the live position in the current program, press the **Live TV** button (remote control type A) or **TV** (remote control type B) on your remote control. The timeshift recording continues to be recorded and you can be play it back at any time.

Ending the Timeshift Recording

To end the timeshift recording, press the **Stop** button on your remote control.

On Screen Display

You can configure detailed settings affecting the behavior of the On Screen Display in the Settings menu.

If you start a timeshift recording, an On Screen Display appears with the following information:

- Start time of the timeshift recording
- Maximum timeshift position where the timeshift recording will pause or start from the beginning
- The current time status of live TV (the end of the corresponding status bar marks the current position of live TV)
- The current playback position

This On Screen Display disappears when you press the **Play** button on your remote control.

If you would like to display the OSD again manually (without changing the channel), press the ? button or the **Info** button (depending on the remote control). The same information including a volume level bar is then displayed. If you have not set the OSD to disappear automatically in the Settings menu, the OSD disappears when you press the **?/Info** button again.

Radio Menu

Radio Menu Overview

If you select **Radio** in the main screen of the Pinnacle MediaCenter, the following window appears:



The individual menu options give you access to the following functions:

- **Stations**: Use this menu to select channels from the channel list.
- **Record**: This menu lets you record radio broadcasts.
- Recorded Radio: This menu lets you play back or edit previously recorded radio broadcasts.

The individual Radio menu functions are explained in detail in the following sections.

Information Window

In the left part of the Pinnacle MediaCenter, an information window displays information about the current radio program.

For more information about switching between the information window and full screen mode, refer to the chapter "Pinnacle MediaCenter Window Formats".

Selecting Radio Stations

When you select **Stations** in the Radio menu, the following window appears:



Switching Channels

Channel lists

On the right side of the screen, you see all the radio channel lists created in "Advanced Settings" (for example, Classical, News, and Rock) as well as the **FM Radio** and **Internet Radio** entries (if available).

To select a certain radio channel or to change the current radio channel, select either the **FM Radio** or **Internet Radio** entry or select the channel list you want and confirm your selection. A list of all the channels or the channel assigned to the selected list is now displayed.

After selecting and confirming a specific channel, you can listen to its broadcasts. The matching visualization appears in full screen mode.

Channel list

When you listen to radio and watch the visualization in full screen mode or in the preview window, you can also use the **Channel+/Channel-** buttons on your remote control to change the current channel according to the sequence in the channel list.

Or you can press the **Confirm/OK** button on the remote control. This displays the channel list in On Screen Display. Use the arrow buttons on your remote control to select a channel and confirm it.

Direct channel input

When you are listening to radio and watching the visualization in full screen mode or in the preview window, you can also select a channel directly with your remote control or with your keyboard.

To do this, simply enter the number of the channel you want using the number keys on your remote control or the cursor keys on your keyboard. You can then listen to the broadcast of the channel you select.

Switching between the last two channels

Press the **Switch Between Channels** button on your remote control to switch back and forth between the last two channels (for example, to avoid irritating commercial breaks).

After changing channels, the number of the current channel is displayed for a few seconds on the screen.

Volume

To regulate the volume while listening to radio, use the **Volume** +/- buttons on your remote control. Press the **Mute on/off** button to turn the sound off. Turn it back on by pressing the button again.

When you change the volume, a status bar with the current volume level or a "Sound off" icon is displayed on the screen for a few seconds.

On Screen Display

You can perform detailed settings affecting the behavior of the On Screen Display in the Settings menu.

When you turn on radio or switch channels while listening to radio, an On Screen Display appears with the following information:

- The name of the current channel and its number in the channel list
- The current source
- The audio mode
- The current time and date

This OSD disappears after a few seconds.

If you would like to display the OSD again manually (without changing the channel), press the ? button or the **Info** button (depending on the remote control). The same information including a volume level bar is then displayed. If you have not set the OSD to disappear automatically in the Settings menu, the OSD disappears when you press the **?/Info** again.

Recording Radio

When you select **Record** in the Radio menu, a window appears where you can start a recording immediately, schedule a recording for the future or modify an already scheduled recording.

If you open the menu while recording a radio broadcast, you can cancel the recording or change the recording settings.

The following menu options are available:

- Record Now
- Record Manually
- Scheduled Recordings



Note that you cannot record Internet Radio.

Record Now

While listening to radio, you can record the current program of the current station at any time by pressing the "Record" button on your remote control. Press the "Stop" button to stop recording.

Recording the current broadcast

If you want to record the current radio broadcast right now, select the **Record Now** menu option and confirm it. The **Record Now** button changes to **Record...**, and the recording of the current broadcast starts.

Or you can press the **Record** button on your remote control.

Changing the settings of a currently running recording

In order to obtain more detailed information about the currently running recording or to change the recording schedule settings during the recording, select and confirm **Record...**.

In the window that now appears, you can end the recording or change the duration/stop time of the currently running recording:

- To end the currently running recording, select the **Stop** button.
- To change the *duration*, select the Duration field with the arrow buttons and press the **OK/Confirm** button. With the **Up** and **Down** buttons on your remote control, you can enter the duration in minutes. If you enter the number "999", your recording will have no time limit.

Or, after confirming the Duration field, you can enter a number with a

maximum of three digits.

After you have set a new recording time, press the **OK/Confirm** button again.

- To change the *stop time*, select the Stop time field with the arrow buttons and press the **OK/Confirm** button. With the **Up** and **Down** buttons on your remote control, you can enter the hour of the stop time.
 - Now press the **OK/Confirm** button again to activate the minute display. You can enter the minutes in five-minute increments with the **Up** and **Down** buttons on your remote control.
 - Or, after confirming the Stop time field, you can enter a number with four digits for the hour and minute display of the stop time.
 - After you have set a new stop time, press the **OK/Confirm** button again.
- After selecting and confirming the **OK** button, your changes to the recording schedule settings will take effect.

Record Manually

If you select and confirm this menu option, a window appears where you can manually configure the settings for recording.

This is where you enter the settings for recording manually:

- Channel: This is where you enter which channel you want to record. Use the arrow buttons to select the channel field and then confirm your selection. A list of all the channel lists now appears. Select the list which includes the channel you want. In the channel list that now appears, select the channel.
- Day: Enter the day when the broadcast should be recorded.
 Use the arrow buttons to select the Day field and then confirm your selection.
 Use the Up and Down buttons to select a day and then confirm your selection.
- **Recording time** (Start time, Stop time, Duration): Enter two of the required time values, and the third will be calculated automatically.

Start time: Use the arrow buttons to select the Start time field and then confirm your selection. With the **Up** and **Down** buttons on your remote control, you can enter the hour of the start time.

Now press the **OK/Confirm** button again to activate the minute display. You can enter the minute of the start time with the **Up** and **Down** buttons on your remote control.

Or, after confirming the Start time field, you can enter a number with four digits for the hour and minute display of the start time.

After you have set a new start time, press the **OK/Confirm** button again.

Stop time: Use the arrow buttons to select the Stop time field and then confirm your selection. With the **Up** and **Down** buttons on your remote control, you can enter the hour of the stop time.

Now press the **OK/Confirm** button again to activate the minute display. You can enter the minute of the stop time with the **Up** and **Down** buttons on your remote control.

Or, after confirming the Stop time field, you can enter a number with four digits for the hour and minute display of the stop time.

After you have set a stop time, press the **OK/Confirm** button again.

Duration: To change the **duration**, select the Duration field with the arrow buttons and press the **OK/Confirm** button. With the **Up** and **Down** buttons on your remote control, you can enter the duration in minutes.

Or, after confirming the Duration field, you can enter a number with a maximum of three digits. If you enter the number "999", your recording will have no time limit.

After you have set a new duration, press the **OK/Confirm** button again.

- **Frequency**: Enter the frequency at which the recording should be repeated. Use the arrow buttons to select the Frequency field and then confirm your selection. Use the **Up** and **Down** buttons to select a frequency (for example, "daily" or "weekly") and then confirm you selection.
- Format: You can change the recording format here.

 Use the arrow buttons to select the Format field and then confirm your selection. Use the Up and Down buttons to select a recording format and then confirm your selection.
- After selecting and confirming the **OK** button, the recording you want is scheduled

Make sure that your computer is turned on at the time the recording is scheduled to start and that your Pinnacle hardware is not being used by any other software.

Scheduled Recordings

If you want to change or delete previously scheduled recordings, select the **Scheduled Recordings** menu option and confirm your selection.

All of your previously scheduled recordings are displayed in the window that now appears. If you want to change a recording, select it and confirm your selection. In the window that now appears, edit or delete the scheduled recording.

Changing scheduled recordings

If you want to edit the scheduled recording (for example, change the recording time or the date), select **Edit** and confirm your selection. The settings for this recording are now displayed and you can edit them.

Deleting scheduled recordings

If you want to delete the scheduled recording, select **Delete** and confirm your selection. The recording settings are deleted, and the recording will not take place.

Recorded Radio

When you select **Recorded Radio** in the Radio menu, a window opens where all the currently existing recordings are displayed including information about the channel, recording date, and recording time.

Additional information for each selected recording is located in the information window on the lower edge of the screen.

You can now either play back a recording or delete it. Select the recorded broadcast and confirm your selection.

Playing Back a Recording

In the window that now appears, you can play back the recording you want by selecting and confirming the **Play** button or by pressing the **Play** button on your remote control.

Deleting Recordings

You can delete a previously selected recording by selecting and confirming the **Delete** button.

Timeshift



Note that you cannot make timeshift recordings of Internet radio.

The Pinnacle MediaCenter timeshift function lets you conveniently listen to the current radio broadcast in timeshift mode.

Irritating interruptions when listening to radio are now a thing of the past. With just the push of a button, you can interrupt the current radio broadcast and go back to listening to it later at any time. In the meantime, the rest of the radio broadcast is automatically recorded to a temporary area on your computer. Note that the size of the temporary area determines the amount of the audio material that can be recorded (for more information about the size of the temporary area, refer to the chapter **Advanced Settings**).

All you need to do to resume listening to the broadcast from the point you stopped is to press a button, and the recording is played. At the same time, the current broadcast continues to be recorded in the background so that you don't miss a minute of it.

This lets you fast forward and rewind the time-shifted program in quick motion while it is still being recorded, skip over certain parts (for example, commercials) or repeat parts (for example, the deciding touchdown in a football game) or switch back to live radio.

Starting a Timeshift Recording

To start a timeshift recording, press the **Pause** button of your remote control while listening to radio. The current radio broadcast is now recorded to a temporary area on your computer.

Listening to a Timeshift Recording

Playing back a timeshift recording

To listen to the timeshift recording, use the **Rewind** or **Previous Track** buttons on your remote control to jump to the part you want in the recording and continue listening from this point. In the meantime, the live radio broadcast continues to be recorded.

Within the timeshift playback, you can use the **Rewind/Fast Forward** buttons or the **Previous Track/Next Track** buttons to repeat parts or to skip them. Use the **Rewind/Fast Forward** buttons to move forwards or backwards at a uniform speed within the recording. Use the **Previous Track/Next Track** buttons to jump backwards or forwards in the timeshift recording according to a previously set time interval (for more information about setting this time interval, refer to the chapter **Advanced Settings**).

Interrupting timeshift playback

Press the **Pause** button on your remote control to interrupt the timeshift playback. To continue playback, press the **Pause** button or the **Play** button again.

Returning to live position

If you want to return to the live position in the current broadcast, press the **Start Radio** button (remote control type A) or press the **Next Track** button on your remote control (remote control type B). The timeshift recording continues to be recorded and can be played back at any time.

Ending the Timeshift Recording

To end the timeshift recording, press the **Stop** button on your remote control.

On Screen Display

You can perform detailed settings affecting the behavior of the On Screen Display in the Settings menu.

If you start a timeshift recording, an On Screen Display appears with the following information:

- Start time of the timeshift recording
- Maximum timeshift position at which the timeshift recording will pause or start from the beginning
- The current time status of live radio (the end of the corresponding status bar marks the current position of live radio)
- The current position of playback

This On Screen Display disappears when you press the **Play** button on your remote control.

If you would like to display the OSD again manually (without changing the station), press the ? button or the **Info** button (depending on the remote control). The same information including a volume level bar is then displayed. If you have not set the OSD to disappear automatically in the Settings menu, the OSD disappears again when you press the ?/**Info** button again.

Music Menu

Music Menu Overview

If you select **Music** in the main screen of the Pinnacle MediaCenter, the following window appears:



The individual menu options give you access to the following functions:

- **New Music**: Use this menu to listen to all the music titles you have recently imported.
- Genre, Artist, Album, Song, and Playlists: Use these menu options to play back music according to categories created in the Pinnacle MediaManager.
- **Browse**: You can play music from your hard disk here.
- CD/DVD: Select this menu option when you want to play music from a CD/DVD.

The individual Music menu functions are explained in detail in the following sections.

Music Playback

Playback

To play all the songs in a category, select a specific song from the category or the entire category and press the **Play** button on your remote control.

To play a single song, select it and confirm your selection.

Rewind and Fast Forward

During playback, you can use the **Rewind** and **Fast Forward** buttons on your remote control to access a specific location within a song.

Previous Track and Next Track

Use the **Previous Track/Next Track** buttons to go to the beginning of the current song or jump to the next song.

Pause

Press the **Pause** button on your remote control to pause the playback. Press the **Pause** button again or press the **Play** button to continue playback.

Stop

Use the **Stop** button to end playback at any time. This also takes you back to the previous menu.

Volume

To regulate the volume while listening to music, use the **Volume** +/- buttons on your remote control. Press the **Mute on/off** button to turn the sound off. Turn it back on by pressing the button again.

Shuffle

The **Shuffle** function is available in each menu:

Press the A button on your remote control to activate shuffle mode. Now all of the songs you have chosen in the current category (for example, in a playlist or a genre) are played back in a random sequence. Press the A button again to deactivate shuffle mode. Now the songs are played in a set sequence.

Repeat

The **Repeat** function is available in each menu:

Press the B button on your remote control to activate repeat mode. Now all the songs in a specific category will be repeated.

Press the **B** button on your remote control to deactivate repeat mode. Now the songs will only be played once each.

Information Window

In every menu option in the Music menu, you see an information window containing the album cover artwork or the visualization of the title currently playing or of the first song of the category just chosen. The name of the artist and the title of the album are displayed beneath the information window so that you always have access to all the important information about the title currently playing.

For more information about switching between the information window and full screen mode, refer to the chapter "Pinnacle MediaCenter Window Formats".

On Screen Display

You can perform detailed settings affecting the behavior of the On Screen Display in the Settings menu.

If the album cover or the music visualization is displayed in full screen mode during playback, the title of the current song is displayed below the lower edge of the image. This OSD disappears after a few seconds.

If you press the ? button or the **Info** button (depending on the remote control) during playback in full screen mode, an On Screen Display appears with the following information:

- Volume display
- Title of the previous as well as of the next song and names of the artists
- Album cover (if available)
- The current time and date
- Index of the position of the current song in its category
- Name of the artist, title of the song and of the album, as well as additional ID3 information about the current song
- The time status display of the current song

If you have not set the OSD to disappear automatically in the Settings menu, the OSD disappears when you press the **?/Info** button again.

New Music

When you select **New Music** in the music menu, the following window appears:



On the right side of the window, you see all of your recently imported songs in alphabetical order.

Playing Back All New Music

To playback all the new music, select **All New Music** and confirm your selection or press the **Play** button.

When you select a single song and press the **Play** button on your remote control, all the newly imported songs are played, beginning with the song you selected.

Playing Back Individual Songs

When you select a single song and confirm your selection, only that song is played.

Genre

When you select **Genre** in the music menu, the following window appears:



On the right side of the window, all the music genres you created in the Pinnacle MediaManager are displayed in alphabetical order (for example, Country, Classical, and Pop).

Playing Back Songs of a Particular Genre

If you want to play all the songs of a certain genre, select the genre and press the **Play** button on your remote control.

To display all the artists of a certain genre in the database, select the genre and confirm your selection. These artists are then listed on the right side of the window. You now have the following options:

- If you select **All Artists** and press the **Play** button on your remote control, all the songs in this genre will be played.
- If you select **All Artists** and confirm your selection, all the songs in the chosen genre are listed.

To play a single song, select it and confirm your selection.

If you select a song and press the **Play** button on your remote control, all the songs in this genre are played, beginning with the song you selected.

Playing Back Songs by an Artist in a Particular Genre

To play all the songs by a certain artist, select the genre the artist is assigned to and confirm your selection. Choose the artist from the list that now appears and press the **Play** button on your remote control.

To display all the albums by a certain artist in the database, first select the genre and then the artist in the window that now appears and confirm your selection.

All the albums available by this artist are then listed on the right side of the window. You now have the following options:

- If you select **All Albums** and press the **Play** button on your remote control, all the songs by this artist will be played.
- If you select **All Albums** and confirm your selection, all the songs by the chosen artist are listed.

To play a single song, select it and confirm your selection.

If you select a song and press the **Play** button on your remote control, all the songs by this artist are played, beginning with the song you selected.

Playing Back an Album or Song by an Artist in a Particular Genre

To play a single album by a certain artist in the genre chosen, select the artist and confirm your selection. All the albums by that artist in the database are now listed to the right. To playback a specific album, select it and press the **Play** button on your remote control.

To display all the songs from one of the albums listed, select the album and confirm your selection. All the music titles on the album are now displayed to the right.

- To play a single song, select it and confirm your selection.
- If you select a song and press the **Play** button on your remote control, the entire album is played, beginning with the song you selected.

Artist

When you select **Artist** in the music menu, the following window appears:



On the right side of the window, you see all of the artists in the Pinnacle MediaManager listed in alphabetical order.

Playing Back All Songs

To play all the songs in the database, select **All Artists** and press the **Play** button on your remote control.

Playing Back the Albums/Songs by All Artists

If you select **All Artists** and confirm you selection, a list of all the music albums in the database appears. You now have the following options:

- If you select All Albums and press Play, every available music album is played.
- If you select **All Albums** and confirm, all the songs in the database are displayed. Now you can play all the songs by selecting and confirming a single song or by selecting and pressing the **Play** button.
- If you select a single album and press **Play**, the entire album will be played.
- If you select a single album and confirm, all the songs on this album will be displayed. Now you can play the entire album by selecting and confirming a single song or by selecting and pressing the **Play** button.

Playing All the Songs by an Artist

To play all the songs by a specific artist, select the artist and press the **Play** button on your remote control.

Playing Back the Albums/Songs by an Artist

If you want to display the albums by a specific artist, select that artist and confirm your selection. All the albums in the database by that artist are then listed to the right. You now have the following options:

- If you select **All Albums** and press **Play**, every available music album by this artist is played.
- If you select **All Albums** and confirm, all the songs in the database by this artist are displayed. Now you can play all the songs by selecting and confirming a single song or by selecting and pressing the **Play** button.
- If you select a single album and press **Play**, the entire album will be played.
- If you select a single album and confirm, all the songs on this album will be displayed. Now you can play the entire album by selecting and confirming a single song or by selecting and pressing the **Play** button.

Album

When you select **Album** in the Music menu, the following window appears:



On the right side of the window, you see all of the albums in the database listed in alphabetical order.

Playing Back All the Albums

To play all the albums in the database, select **All Albums** and press the **Play** button on your remote control.

Playing Back Songs

If you select **All Albums** and confirm, all the songs in the database are listed. Now you can play all the songs in the database by selecting and confirming a single song or by selecting and pressing the **Play** button.

Playing Back an Album

To playback an entire album, select it and press the **Play** button on your remote control.

If you select an album and confirm your selection, all the songs on the album are listed. After selecting a single song and pressing the **Play** button on your remote control, the entire album will be played, beginning with the song you selected.

Playing Back the Songs on a Specific Album

If you select an album and confirm your selection, all the songs on the album are listed to the right.

To play a single song, select it and confirm your selection.

Song

When you select **Song** in the Music menu, the following window appears:



On the right side of the window, you see all of the songs in the database listed in alphabetical order.

Playing Back All the Songs

To play all the songs in the database, select **All Songs** and confirm your selection or press **Play** on your remote control.

If you select a song and press the **Play** button on your remote control, all the songs in the database are played, beginning with the song you selected.

Playing Back Individual Songs

To play a single song, select it and confirm your selection.

Playlists

When you select **Playlists** in the Music menu, the following window appears:



On the right side of the window, you can choose from the following categories:

- My Playlists: This category lists all the music playlists created in the Pinnacle MediaManager.
- **Top rated**: Here are all the songs that you have given top ratings in the Pinnacle MediaManager.
- **Most played**: This category lists all the songs that have been played often in the past (this list is generated automatically).
- Least played: This category contains all the songs that are rarely displayed (this list is generated automatically).
- Not yet played: This contains a list of all the songs that have not yet been played (this list is generated automatically).

Displaying the Entire Category

If you want to play all the songs in an entire category, select the category (My Playlists, Top rated, Most played, Least played or Not yet played) and press the Play button on your remote control.

My Playlists

To display all of the music playlists created in the Pinnacle MediaManager, select the **My Playlists** category and confirm your selection. This displays a list of all the available playlists. You now have the following options:

- If you want to play an entire playlist, select a playlist and press **Play**.
- If you select a playlist and confirm you selection, all the songs in the playlist listed.

You can play a single song by selecting and confirming it. After selecting a song and pressing the **Play** button on your remote control, all the songs on the playlist are played, beginning with the song selected.

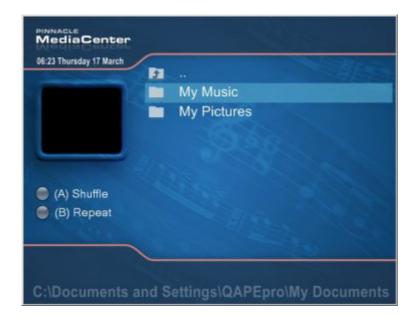
Displaying Specific Songs in a Category

To display individual songs in a category (**Top rated**, **Most played**, **Least played**, **Not yet played**), select a category and confirm your selection. All the songs in the category are now listed on the right side of the window.

- If you only want to play one song, select it and confirm your selection.
- If you select a song and press the **Play** button on your remote control, all the songs in the category are played, beginning with the song selected.

Browsing Your Hard Disk

When you select **Browse** from the Music menu, the following window appears:



On the right side of the window, you can browse your hard disk for music files and play them. The current path is always displayed in the Pinnacle MediaCenter window.

The first time you browse for music files on your hard drive, the "My Music" folder will open by default. Select and confirm the **Go Up** button to go the next higher directory on your hard disk.

- If you select a *specific directory* and confirm your selection, the contents of this directory are listed.
- If you select a *specific directory* and press the **Play** button, all the songs in this directory and its subdirectories is played.
- When you select a *single* song and confirm your selection, that song is played.
- When you select a *single song* and press the **Play** button, all the songs in this directory (without subdirectories) are played, beginning with the song you selected.

CD/DVD

When you select **CD/DVD** from the Music menu, the following window appears:



If you have already selected the Autoplay function, CDs and DVDs will automatically be played when inserted (if the Pinnacle MediaCenter is on).

Use this menu option to play music from a CD or DVD:

If there is no CD or DVD in the corresponding drive, Pinnacle MediaCenter will prompt you to insert a CD or DVD.

If there is a CD/DVD in your CD-ROM/DVD drive, the directories and individual songs on the CD/DVD will be displayed on the right side of the window.

- If you select a *specific directory* and confirm your selection, the contents of this directory are listed.
- If you select a *specific directory* and press the **Play** button, all the songs in this directory and its subdirectories are played.
- When you select a *single* song and confirm your selection, that song is played.
- When you select a *single song* and press the **Play** button, all the songs in this directory (without subdirectories) are played, beginning with the song you selected.

Press the C button on your remote control to activate the **Autoplay** function. This automatically plays CDs and DVDs when they are inserted (if the Pinnacle MediaCenter is on at the same time). Press the C button again to deactivate this function.

Movies Menu

Movie Menu Overview

If you select **Movies** in the Pinnacle MediaCenter main screen, the following window appears:



The individual menu options give you access to the following functions:

- **New Movies**: Use this menu to watch to all the movies you have recently imported.
- **Genre** and **Playlists**: Use these menu options to watch a movie assigned to a specific playlist or a specific genre in the Pinnacle MediaManager.
- All Movies: Select this menu option when you want to list all the movies in the database or play one or more movies from the database.
- **Browse**: This menu option lets you browse your dard disk for video files and play them.
- **CD/DVD**: Here, you can play movies from CD or DVD.

The individual Movie menu functions are explained in detail in the following sections.

Movie Playback

Playback

To play all the movies in a category, select a specific movie from the category or the entire category and press the **Play** button on your remote control.

To play a single movie, select it and confirm your selection.

Rewind and Fast Forward

During playback, you can use the **Rewind** and **Fast Forward** buttons on your remote control to access a specific location within a chapter.

Previous Track / Next Track

Use the **Previous Track/Next Track** buttons to jump to the beginning of the current movies or jump to the next movie.

Pause

Press the **Pause** button on your remote control to pause the movie. Continue the movies by pressing the **Pause** button again or the **Play** button.

Stop

Use the **Stop** button to end the movie at any time. This also takes you back to the previous menu.

Volume

To regulate the volume, use the **Volume** +/- buttons on your remote control. Press the **Mute on/off** button to turn the sound off. Turn it back on by pressing the button again.

Shuffle

Each menu has a **shuffle** function:

Press the A button on your remote control to activate shuffle mode. Now all of the movies you have chosen in the current category (for example, in a playlist or a genre) are played back in random order. Press the A button again to deactivate the function and play the movies in a set sequence again.

Repeat

The **Repeat** function is available in each menu:

Press the **B** button on your remote control to activate repeat mode. Now all the movies in the selected category will be played repeatedly.

Press the **B** button on your remote control to deactivate repeat mode. Now the movies will only be played once each.

Information Window

In every menu option in the Movie menu, an information window for the movie currently being shown or a graphic is displayed so that you won't miss a single scene of the movie.

For more information about switching between the information window and full screen mode, refer to the chapter "Pinnacle MediaCenter Window Formats".

On Screen Displays

You can configure detailed settings affecting the behavior of the On Screen Displays in the Settings menu.

When the movie is being shown in full screen mode, the title of the movie is displayed at the beginning of the movie on the lower edge of the image. This OSD disappears after a few seconds.

If you press the ? or **Info** button (depending on the remote control) while playing the movies in full screen mode, an On Screen Display appears with the following information:

- Volume display
- Title of the previous as well as of the next movie or chapter
- The current time and date
- Index of the position of the current movie in its category
- Name of the DVD and of the chapter or movie
- The display of the time status of the current DVD or file

If you have not set the OSD to disappear automatically in the Settings menu, the OSD disappears again when you press the **?/Info** button again.

New Movies

When you select **New Movies** from the Movie menu, the following window appears:



On the right side of the window, you see a list of all the newly imported movies in alphabetical order.

Playing Back All the New Movies

To playback all the new movies, select **All New Movies** and confirm your selection or press the **Play** button.

When you select a single movie and press the **Play** button on your remote control, all the newly imported movies are played, beginning with the movie you selected.

Playing Back Individual New Movies

When you select a movie and confirm, only that movie will be played.

Genre

When you select **Genre** in the Movie menu, the following window appears:



On the right side of the window, all the movie genres created in the Pinnacle MediaManager are displayed in alphabetical order (for example, Action, Documentary, and Comedy).

Playing Back All the Movies in a Genre

If you want to play all the movies assigned to a certain genre, select the corresponding genre and press the **Play** button on your remote control.

When you select a genre and confirm your selection, all the movies assigned to this genre are displayed. After you select a single movie and press the **Play** button on your remote control, all the movies in the genre are played, beginning with the selected movie.

Playing Back Specific Movies in a Genre

If you want to play all the movies in the database that are assigned to a certain genre, select the genre and confirm your selection. These movies are then listed on the right side of the window.

To play a specific movie, select it and confirm your selection.

Playlists

When you select **Playlists** in the Movie menu, the following window appears:



On the right side of the window, you can choose from the following categories:

- My Playlists: This category lists all the movie playlists created in the Pinnacle MediaManager.
- **Top rated**: Here are all the movies that you have given top ratings to in the Pinnacle MediaManager.
- **Most played**: This category lists all the movies that have been played often in the past (this list is generated automatically).
- Least played: This category contains all the movies that are rarely displayed (this list is generated automatically).
- **Not yet played**: This category contains a list of all the movies that have not yet been played (this list is generated automatically).

Displaying the Entire Category

If you want to play all the movies in an entire category, select the category (My Playlists, Top rated, Most played, Least played or Not yet played) and press the Play button on your remote control.

My Playlists

To display all of the movie playlists created in the Pinnacle MediaManager, select the **My Playlists** category and confirm your selection. This then displays a list of all the available playlists. You now have the following options:

- If you want to play an entire playlist, select a playlist and press **Play**.
- If you select a playlist and confirm you selection, all the movies in the playlist are listed.

You can play a single movie by selecting and confirming it. After selecting a movie and pressing the **Play** button on your remote control, all the movies on the playlist are played, beginning with the movie you selected.

Displaying Specific Movies in a Category

To display individual movies in a category (**Top rated**, **Most played**, **Least played**, **Not yet played**), select a category and confirm your selection. All the movies in the category are now listed on the right side of the window.

- If you only want to play one movie, select it and confirm your selection.
- If you select a movie and press the **Play** button on your remote control, all the movies in the category are played, beginning with the movie you selected.

All Movies

When you select **All Movies** from the Movie menu, the following window appears:



On the right side of the window, you see all of the movies in the database listed in alphabetical order.

Playing Back All the Movies

To play back all the movies, select **All Movies** and confirm your selection or press the **Play** button.

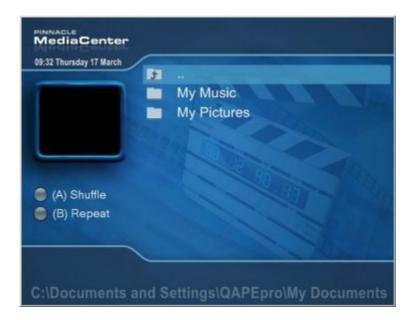
When you select a single movie and press the **Play** button on your remote control, all the movies are played, beginning with the movie you selected.

Playing Back Specific Movies

Select and confirm your selection for playing a single movie from the database.

Browsing Your Hard Disk

When you select **Browse** in the Movie menu, the following window appears:



On the right side of the window, you can browse your hard disk for video files and play them.

The current path is always displayed in the Pinnacle MediaCenter window. The first time you browse for video files on your hard drive, the "My Files" folder will open by default. Select and confirm the **Go Up** button to go the next higher directory on your hard disk.

- If you select a *specific directory* and confirm your selection, the contents of this directory are listed.
- If you select a *specific directory* and press the **Play** button, all the movies in this directory and its subdirectories are played.
- If you select a *single movie* and confirm you selection, the movie will be played.
- When you select a *single movie* and press the **Play** button, all the movies in this directory (without subdirectories) are played, beginning with the movie you selected.

CD/DVD

When you select **CD/DVD** from the Movie menu, the following window appears:



If you have already activated the Autoplay function, CDs and DVDs will automatically be played when inserted (if the Pinnacle MediaCenter is on).

Use this menu option to play movies from a CD or DVD:

If there is no CD or DVD in the corresponding drive, Pinnacle MediaCenter will prompt you to insert a CD or DVD.

If there is a CD/DVD in your CD-ROM/DVD drive, the directories and individual movies on the CD/DVD will displayed on the right side of the window.

- If you select a *specific directory* and confirm your selection, the contents of this directory are listed.
- If you select a *specific directory* and press the **Play** button, all the movies in this directory and its subdirectories are played.
- If you select a *single movie* and confirm you selection, the movie will be played.
- When you select a *single movie* and press the **Play** button, all the movies in this directory (without subdirectories) are played, beginning with the movie you selected.

Press the C button on your remote control to activate the **Autoplay** function. This automatically plays CDs and DVDs when they are inserted (if the Pinnacle MediaCenter is on at the same time). Press the C button again to deactivate this function.

Photo Menu

Photo Menu Overview

If you select the **Photos** menu in the Pinnacle MediaCenter main screen, the following window is displayed:



The individual menu options give you access to the following functions:

- **New Photos**: Use this menu to display all your newly imported photos as single images or together in a slideshow.
- Slide Shows: Select this menu option to display a slideshow or to display individual photos in a slideshow.
 - This means you do not have to show your friends and family an entire photo album (for example, of a specific vacation). You can present the highlights in a special slideshow.
- Photo Albums: Select this menu option to display photo albums as slideshows in the Pinnacle MediaManager or to display individual photos in the album.
- **By Date**: Here you can search for photos according to chronological features (year, month, day) and play them in a slideshow or display them individually.
- Name: Use this menu option to display the individual photos in alphabetical order or in a slideshow.
- **Browse**: Use this menu option to search your hard drive for photos and either display them individually or in a slideshow.
- **CD/DVD**: Use this menu option to display photos from a CD or DVD.

Navigating a Slideshow

Playback

To start a slideshow, press the **Play** button on your remote control.

Previous Track, Left arrow, Up arrow

Use these remote control buttons to skip to the previous photo in the slideshow.

Next Track, Right arrow, Down arrow

Use these remote control buttons to skip to the next photo in the slideshow.

Rewind, Fast Forward

Use the **Rewind** and **Fast Forward** buttons to reduce or increase the display times for each photo during a slideshow in increments of seconds.

Pause

Press the **Pause** button on your remote control to pause the slideshow. Resume playing the slideshow by pressing the **Pause** button again or the **Play** button.

Stop

Press the **Stop** button to end the slideshow at any time and return to the previous menu.



Use the "Settings" command to individually design your slideshow.

Displaying Individual Photos

To display an individual photo, select it and confirm your selection.

Previous Track, Left arrow, Up arrow

Press these buttons on your remote control to skip to the previous photo in the category.

Next Track, Right arrow, Down arrow

Press these buttons on your remote control to skip to the next photo in the category.

Stop, Full Screen, OK

Press these buttons at any time to stop the photo display and return to the previous menu.

Shuffle

Each menu has a **shuffle** function:

Press the A button on your remote control to activate shuffle mode. All the photos you select in this category (for example, of the playlist or of the album) are displayed in random order. Press the A button again to deactivate the function and display the photos in a set sequence again.

Repeat

Each menu option has a **Repeat** function:

Press the **B** button on your remote control to activate repeat mode. Now all the photos in the selected category will be repeatedly displayed.

Press the **B** button on your remote control again to deactivate repeat mode and to display the photos once only.

Thumbnails

Many menu options offer the **Thumbnail** function:

Press the C button on your remote control for thumbnails of all the listed photos. Press the C button on your remote control again to display the photos as a list again.

Information Window

Every menu option in the Photo menu displays an information window with the selected photo or the first photo in the selected category. This gives you an overview of the photos/categories listed.

To switch between the information window and full screen, refer to the chapter "Pinnacle MediaCenter Window Formats".

On Screen Display

You can configure detailed settings affecting the behavior of the On Screen Display in the Settings menu.

When the photo display is set to full screen mode, the title of the current photo appears on the lower edge of the image when a new photo is displayed. This OSD disappears after a few seconds.

If you press the ? or **Info** button (depending on the remote control) while displaying photos in full screen mode, an On Screen Display appears with the following information:

- Volume display
- Title of the previous as well as of the next photo

- Current time and date
- Index of the position of the current photo in its category
- Name of the photo and additional EXIF information (if available)
- Display of the time status of the current slideshow (if a slideshow is being displayed)

If you have not set the OSD to disappear automatically in the Settings menu, the OSD disappears again when you press the **?/Info** button again.

New Photos

When you select **New Photos** in the Photo menu, the following window appears:



On the right side of the window, you see a list of all the newly imported photos in alphabetical order.

Displaying All the New Photos in a Slideshow

To display all of the new photos as a slideshow, select **All New Photos** and confirm your selection or press the **Play** button.

Selecting a specific photo and pressing the **Play** button on your remote control starts a slideshow with all the newly imported photos, beginning with the selected photo.

Displaying Specific New Photos

If you select a photo and confirm, the photo is displayed.

Slideshows

When you select **Slideshow** in the Photo menu, the following window appears:



On the right side of the window, you can choose from the following categories:

- **My Slideshows**: This category displays all the slideshows created in the Pinnacle MediaManager.
- **Top rated**: Here are all the photos with top ratings in the Pinnacle MediaManager.
- **Most played**: This category lists all the photos that have been played often in the past (this list is generated automatically).
- Least played: This category contains all the photos that are rarely displayed (this list is generated automatically).
- **Not played**: This contains a list of all the photos that have not yet been viewed (this list is generated automatically).

Display the Entire Category

If you want to display the entire category as a slideshow, select the category (My Slideshows, Top rated, Most played, Least played or Not played) and press the Play button on your remote control.

My Slideshows

To display all of the slideshows created in the Pinnacle MediaManager, select the **My Slideshows** category and confirm your selection. This displays a list of all the available slideshows. You now have the following options:

- If you want to display an entire slideshow, select a slideshow and press **Play**.
- If you select a slideshow and confirm your selection, a list of all the photos in the slideshow is displayed. You can display a single photo by selecting and confirming it. After selecting a single photo and pressing the **Play** button on your remote control, a slideshow is displayed, beginning with this photo.

Displaying Specific Photos in a Category

To display individual photos in a category (**Top rated**, **Most played**, **Least played**, **Not played**), select a category and confirm your selection. All the photos in the category are then listed on the right side of the window.

- If you select a photo and press the **Play** button on your remote control, all the photos in the category are displayed, beginning with the photo selected.
- If you only want to look at one photo, select it and confirm your selection.

Photo Album

When you select **Photo Album** in the Photo menu, the following window appears:



On the right side of the window, you see all of the photo albums in the database listed in alphabetical order.

Displaying the Entire Album

To display the entire album, select it and press the **Play** button on your remote control. The photos in the album are then displayed in a slideshow.

If you select an album and confirm your selection, all of the photos in the album are displayed. When you select a single photo and press the **Play** button on the remote control, the entire album is displayed, beginning with the photo selected.

Displaying Individual Photos in an Album

To display individual photos in an album, select an album and confirm your selection. All the photos in the album are now listed on the right side of the window.

If you only want to look at one photo, select it and confirm your selection.

Date

When you select **Date** from the Photo menu, the following window is displayed:



On the right side of the window, you see the creation years for all the photos in the database.

Displaying All Photos

If you want to see all of the photos in the database as a slideshow, select **All Years** and press the **Play** button on your remote control. All the photos in the database are now displayed in a slideshow.

To display all the photos in the database individually, click **All Years** and confirm your selection. This displays all the photos in alphabetical order. If you select a photo and press the **Play** button on your remote control, all the photos are displayed in a slideshow, beginning with the photo selected. If you only want to look at one photo, select it and confirm your selection.

Displaying Photos from a Specific Year

If you want to see all the photos in the database taken in a specific year, select the year and press the **Play** button on your remote control. Now all the photos in the database from that year are displayed as a slideshow.

To display all the photos in the database from a specific year individually, click the specific year and confirm your selection. You now have the following option in the list that appears:

• If you select **All Months** and press the **Play** button on your remote control, all the photos from that year will be displayed in a slideshow.

 Select All Months and confirm your selection for a list of all the photos from that year.

If you select a photo and press the **Play** button on your remote control, all the photos from the selected year are displayed, beginning with the photo selected.

If you only want to look at one photo, select it and confirm your selection.

Displaying Photos from a Specific Month

If you want to see all of the photos in the database taken in a specific month, select a year and confirm your selection. On the right side of the window, all the months with photos in that year found in the database are displayed.

Now select a month and press the **Play** button on your remote control. Now all the photos from the selected month are displayed in a slideshow.

To display all the photos in the database from a specific month individually, select a specific month and confirm your selection. You now have the following options:

- If you select **All Days** and press the **Play** button on your remote control, all the photos from that month will be displayed in a slideshow.
- Select All Days and confirm your selection for a list of all photos from that month. If you select a photo and press the Play button on your remote control, all the photos from the selected month are displayed, begining with the photo selected.

If you only want to look at one photo, select it and confirm your selection.

Displaying Photos from a Specific Day

If you want to see all the photos in the databse from a specific day, select a year and confirm your selection. On the right side of the window, all the months with photos in the database are displayed. Now select a month and confirm your choice. On the right side of the window, all the days in that month with photos in the database are displayed.

Now select a day and press the **Play** button on your remote control. Now all the photos from that day are displayed as a slideshow.

If you want to look at individual photos from a specific day, select the day and confirm your selection.

- If you select a photo and press the **Play** button on your remote control, all the photos from a specific day are displayed as a slideshow, beginning with the photo selected.
- If you only want to look at one photo, select it and confirm your selection.

Name

When you select **Name** in the Photo menu, the following window appears:



On the right side of the window, you see all of the photos in the database listed in alphabetical order.

Displaying All the Photos in a Slideshow

To display all the photos as a slideshow, select **All Photos** and confirm your selection or press the **Play** button.

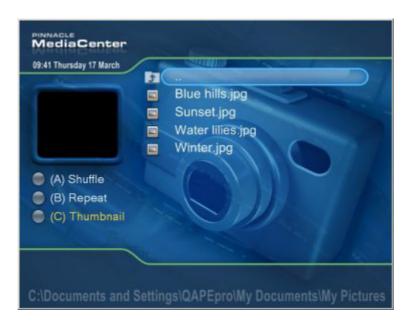
If you select a specific photo and press the **Play** button on your remote control, all the photos are displayed as slideshow, beginning with the photo selected.

Displaying Specific Photos

If you select a single photo and confirm, the photo is displayed.

Browsing Your Hard Disk

When you select **Browse** from the Photo menu, the following window appears:



On the right side of the window, you can browse your hard disk for photos and view them individually or in a slideshow. The current path is always displayed in the Pinnacle MediaCenter window.

The first time you browse for photos on your hard disk, the "My Pictures" folder will open by default. Select and confirm the **Go Up** button to go the next higher directory on your hard disk.

- If your select a *specific directory* and confirm your selection, a list of the contents of this directory is displayed.
- If you select a *specific directory* and press the **Play** button, a slideshow of all the photos in this directory and its subdirectories is displayed.
- If your select a *specific photo* and confirm your selection, the photo is displayed.
- If you select a *specific photo* and press the **Play** button, all the photos in this directory (without subdirectories) are displayed as a slideshow, beginning with the photo selected.

CD/DVD

When you select **CD/DVD** from the Photo menu, the following window appears:



If you have already activated the Autoplay function, CDs and DVDs will play automatically when inserted (if the Pinnacle MediaCenter is on).

Use this menu option to display photos located on a CD or DVD:

If there is no CD or DVD in the corresponding drive, Pinnacle MediaCenter will prompt you to insert a CD or DVD.

If there is a CD/DVD in your CD-ROM/DVD drive, the directories and individual photos on the CD/DVD will be displayed on the right side of the window.

- If you select a *specific directory* and confirm your selection, the contents of this directory are listed.
- If you select a *specific directory* and press the **Play** button, a slideshow of all the photos in this directory and its subdirectories is displayed.
- If you select a *specific photo* and confirm your selection, the photo is displayed.
- If you select a *specific photo* and press the **Play** button, all the photos in this directory (without subdirectories) are displayed in a slideshow, beginning with the photo selected.

Press the C button on your remote control to activate the **Autoplay** function: This automatically plays CDs and DVDs when they are inserted (if the Pinnacle MediaCenter is on at the same time). Press the C button again to deactivate this function.

Online Menu

Online Menu Overview

This menu option is only available if you have allowed the display of online services in the Settings menu.

When you select the **Online** menu option in the main Pinnacle MediaCenter screen, you can access online services which offer an incredible variety of Internet content (for example T-Online Vision or Arcor). Among other things, you can even watch videos on demand.

To access the Internet page of a specific online service, select it and confirm your selection or press the **Play** button.

Menu Settings

Menu Settings Overview

If you select **Settings** in the Pinnacle MediaCenter main screen, the following window appears:



You have the option of configuring the most important settings for the following menu options:

- General
- TV
- Radio
- Movie
- Capture
- Music
- Photos

The individual Settings menu areas are explained in detail in the following sections.

You can make more extensive changes in the "Advances Settings Dialog". Refer to the chapter "Advanced Settings".

Using the Settings Menu

To edit a specific field in the Settings menu, proceed as follows:

- Use the arrow buttons on your remote control or the cursor keys on your keyboard to select the corresponding field.
- To activate the field, press the **OK/Confirm** button on your remote control or the **Enter** key on your keyboard.
- Press the **Up/Down** buttons or the arrow keys to move between the existing entries (for example, "Yes"/"No" or "On"/"Off") or enter a number with the keypad.
- After you have made a selection or entered a number, deactivate the field by pressing the **OK/Confirm** button on your remote control or the **Enter** key on your keyboard.
- Use the arrow buttons or the cursor keys to select another field and change the corresponding settings.
- After you have configured all the settings, select the **OK** button and confirm.
 The changes to the settings will now take effect.
 If you do not want to apply the changes, select **Cancel** and confirm.

Saving the Settings

If you have made changes, the following window will appear when you exit the Settings menu:



If you want the changes to take effect, select **Yes** and confirm. The new settings are now active.

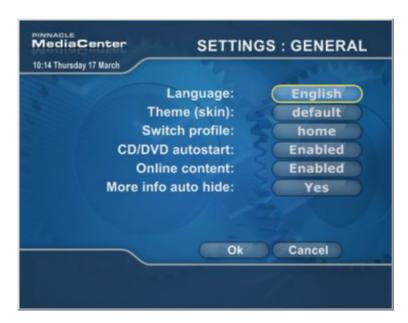
If you do not want to keep the changes, select **No** and confirm. This cancels the changes.

Information Window

While you are in the Settings menu of the Pinnacle MediaCenter, the current TV program is displayed in the information window so you won't miss a second of your favorite show.

General Settings

When you select **General** from the Settings menu, the following window appears:



Use this window to configure various general settings:

Parental Control

Here you can release all movies by deactivating restricted access to media set in the Pinnacle MediaManager.

Select the access code field and use the number buttons on your remote control or the number keys on your keyboard to enter your four-digit PIN number. Restricted access is now released.

Language

In this area, you can change the language settings for the Pinnacle MediaCenter.

Theme (skin)

You can choose different skins for the Pinnacle MediaCenter here. After you select a new skin, the Pinnacle MediaCenter will display the new appearance.

Switch profile

If you have saved different profiles for the Pinnacle MediaCenter settings on your hard disk, you can now select one of these profiles.

CD/DVD autostart

This lets you select whether a CD/DVD will start automatically when it is inserted or whether you prefer to manually start the CDs/DVDs.

Note that the automatic playback of a CD/DVD only works when the Pinnacle MediaCenter is switched on.

Online content

In this field, you can determine whether special online services (such as T-Online Vision or Arcor) should have a separate menu option or not.

More info auto hide

Here you can choose whether an OSD display, with detailed information about the current TV or radio program, the current music, the movie on TV or the photo, should automatically disappear after a few seconds. If the OSD display does not disappear automatically, you can manually hide it by pressing the ? or **Info** button on your remote control (depending on the remote control).

TV Settings

When you select **TV** from the Settings menu, a window opens where you can configure the various TV settings.

TV Hardware

Select which installed TV hardware will be used for the Pinnacle MediaCenter.

Antenna

Use this field to select one of the available antenna types.

Channel Scan

Click this button to start a channel scan based on the last settings used.

EPG Source

You can select an EPG source here (for example, DVB or Internet).

Teletext

Use this area decide whether hidden text in the teletext window should always be shown or hidden and whether the pages should be updated automatically.

Radio Settings

When you select **Radio** from the Settings menu, a window appears where you can configure the various radio settings.

Radio Hardware

Select which installed radio hardware should be used for the Pinnacle MediaCenter.

Antenna

Use this field to select one of the available antenna types.

Channel Scan

Click this button to start a radio channel scan based on the last settings used.

Music Settings

If you select Music from the Settings menu, the following window appears:



You can configure different music settings here:

Visualization

Choose from various visualizations that can be displayed on the screen while the music is playing.

Display song titles

Choose whether you want the title of the current song displayed on the screen or not.

Photo slide show

Here you can select a photo playlist from the Pinnacle MediaManager as a visual background for your music.

Shuffle

In this field, you can set random mode to default or not.

When random mode is active, all of the selected music titles in a category (from a playlist or album, for example) are played in random order.

You can activate or deactivate random mode at any time in the Music menu for the respective playback.

Repeat

In this field, you can set repeat mode to default or not.

When repeat mode is active, all the selected music titles in the category (from a playlist or album, for example) are played repeatedly.

You can activate or deactivate repeat mode at any time in the Music menu for the music you are playing.

Start in full screen

Here, you can determine whether you want the music visualization to be immediately set to full screen mode when music is played or if you prefer to first see this in a preview window.

Internet radio

In this field, select whether Internet radio reception should be allowed or not.

Movie Settings

When you select **Movies** from the Settings menu, the following window appears:



Here you can configure various settings for playing movies:

Shuffle

In this field, you can set shuffle mode to default or not.

When shuffle mode is on, all the movies in the category you selected (for example, in the playlist or genre) are played back in random order.

You can activate or deactivate shuffle mode at any time in the Movie menu.

Repeat

In this field, you can set repeat mode to default or not.

When repeat mode is on, all the movies in the category you selected (for example, in the playlist or genre) are played back repeatedly.

You can activate or deactivate repeat mode at any time in the Movie menu.

Start in full screen

You can set whether the movies will start immediately in full screen mode or first in a preview window.

Audio language

You can set the language for your DVD audio playback.

Subtitle language

In this field, you can select the language for your DVD subtitles.

Menu language

You can set the language for your DVD menu.

Aspect ratio

In this area, you can choose between various window formats.

Display titles

Enter whether you want an On Screen Display of the title of the current movie while the movie is running or not.

Photo Settings

When you select **Photos** from the Settings menu, the following window appears:



Use this window to configure various photo settings:

Shuffle

In this field, you can set shuffle mode to default or not.

When shuffle mode is on, all the photos in the category you selected (for example, in the playlist or genre) are displayed in random order.

You can activate or deactivate shuffle mode at any time in the Photo menu.

Repeat

In this field, you can set repeat mode to default or not.

When repeat mode is on, all the photos in the selected category (for example, the playlist or album) are played repeatedly.

You can activate or deactivate repeat mode at any time in the Photo menu.

Start in full screen

Here you can set whether the photos will be displayed directly in full screen mode or first in a preview window.

Display captions

Enter whether to have an On Screen Display of the title of the current photo or not.

Transition type

Here you can set how the photos are to be displayed and hidden.

Slide duration

Set the length of time each photo is displayed during a slideshow.

Music playlist

You can access the music playlists created in the Pinnacle MediaManager to select background music for your photo presentation.

Capture Settings

When you select **Capture** from the Settings menu, the following window appears:



On the right side of the window, you can configure various settings for capture input:

TV Tuner 1

In this field, you can select a TV tuner as the standard feed.

Composite 1

Here you can select a composite video feed as the standard feed.

S-Video 1

Here you can select an S-video feed as the standard feed.

TV Tuner 2

If you have a second TV tuner, you can select it as the standard feed.

Composite 2

If you have a second composite video feed, you can select it as the standard feed.

S-Video 2

If you have a second S-video feed, you can select it as the standard feed.

PC View (optimized for operation with a mouse)

Overview

The Pinnacle MediaCenter PC view is optimized for use with a mouse. While you are sitting at your desk doing other things on your PC, you can access your personal media directly with the mouse. To help you with this, you can seemlessly adjust the Pinnacle MediaCenter window in the PC view to any size you want and move it anywhere you find most convenient.

The control bars can be configured in such a way that they are only displayed if necessary so only the minimum amount of screen space for media playback is used.

Control Bars

To operate the Pinnacle MediaCenter in the PC view, you have two control bars, one at the top and one at the bottom of the Pinnacle MediaCenter window. For more information, refer to the chapter "General Operating Controls".

Size of the Pinnacle MediaCenter Window in the PC view

The size of the Pinnacle MediaCenter window in the PC view can adjusted to any size you want.

To do this, left-click and hold the mouse button down on the corner of the Pinnacle MediaCenter window and then drag the corner until the window is the size you want.

If the window exceeds normal size, the control bars can no longer be displayed. You can resize the Pinnacle MediaCenter window by either dragging the corner with your mouse to enlarge it or double-clicking the window with your mouse. This automatically sets the Pinnacle MediaCenter to normal size and the control bars can again be displayed.

Positioning the Pinnacle MediaCenter Window in the PC View

To position the Pinnacle MediaCenter window in the PC view to the area on your screen you want, left-click in the top or bottom control bar and move the window while holding down the mouse button.

General Operating Controls

Upper Control Bar



The upper control bar in the PC view contains various buttons for operating the Pinnacle MediaCenter - independent of the media type currently being accessed. For example, you can modify the size and behavior of the Pinnacle MediaCenter window, switch to the remote view or access various types of media.

The control bars can be configured in "Advanced Settings" in such a way that they are not always visible but are only displayed when you move your mouse over the Pinnacle MediaCenter window. They automatically disappear again when you move your mouse out of the Pinnacle MediaCenter window or if the cursor does not move for a few seconds.

In addition, the control bars can be placed in the task bar by clicking the button. Click the button in the task bar to move the control bars back to their original location.

Note that depending on your hardware and the current reception area, some buttons and their functions may be temporarily unavailable.



If you click this button, you return to the main screen of the Pinnacle MediaCenter remote view.



Clicking this button will take you back to the previous page or menu selection.



When you click this button, TV mode is activated and the current TV program of the channel last selected is displayed in the PC view.

Radio

When you click this button, you switch to radio mode where you hear the current broadcast of the channel last selected.



When you click this button, an "Open File" dialog appears letting you browse your hard drive or a CD/DVD for the files you want to play.



Clicking this button opens the teletext window in the PC view (if teletext is available).



Click this button to open the Electronic Program Guide (EPG) in the PC view (if EPG is available).



Always On Top

When this button is activated, the Pinnacle MediaCenter window is always displayed in front of all the other windows on the screen.



Minimize

Clicking this button minimizes the Pinnacle MediaCenter window into the task bar.



Fullscreen/Normal Screen

Clicking this button lets you switch the Pinnacle MediaCenter window back and forth from full screen to a normal-sized screen.



This button closes the Pinnacle MediaCenter or a subwindow (for example, the teletext or EPG window).

Bottom Control Bar

The bottom control bar in the Pinnacle MediaCenter PC view is dependent on the media type you have selected. Depending on whether you are currently watching TV or listening to radio or playing a DVD or a file, the buttons available will vary.

The control bars can be configured in "Advanced Settings" in such a way that they are not always visible but are only displayed when you move your mouse over the Pinnacle MediaCenter window. They automatically disappear again when you move your mouse out of the Pinnacle MediaCenter window or if the cursor does not move for a few seconds.

Since the bottom control bar can contain different operating controls depending on the media type being used, detailed descriptions of the buttons are found in the following chapters.

Open and Closed Bottom Control Bar

The bottom control bar can be opened by clicking the button. This also gives you access to additional buttons. Or you can also open the control bar by clicking the **Play/Pause** or **Record** buttons.

Clicking the button closes the bottom control bar.

Positioning the Bottom Control Bar

If the bottom control bar is docked on the Pinnacle MediaCenter window, you can move them both around or change their size as a single unit.

You can also position the bottom control bar separately. This means you can put it anywhere on the screen independent of the rest of the Pinnacle MediaCenter window. To do this, click the bottom control bar and hold down your mouse button. While holding down your mouse button, drag the control bar to the position on the screen you want.

If the bottom control bar is positioned separately, it will not disappear and cannot be resized.

In addition, the control bars can be placed in the task bar by clicking the button. Click the button in the task bar to move the control bars back to their original location.

Context Menu

When you right-click in the Pinnacle MediaCenter window in the PC view, a context menu opens where you can make the following changes:

- When you click the **TV**, **Radio**, **Browse**, **Teletext** or **EPG** options, you can select the respective media type or display the "Open File" dialog.
- If you activate the **Dock Control** option, the bottom control bar becomes permanently docked on the Pinnacle MediaCenter window.
- Use the View Mode option to decide whether your Pinnacle MediaCenter window should be displayed without a border and what size and aspect ratio it have should.
- Use the **Settings** option to change the settings relating to channels, TV hardware, audio, display, and recording.

Operating Controls While Watching TV

Closed Bottom Control Bar



The closed bottom control bar gives you access to the following buttons while you watch TV:



The currently set channel is displayed in this field. You can also switch channels here:

- To do this, click the Channel button.
- If you have created channel lists in the "Advanced Settings", a pop-up window displays all the available channels. Clicking a channel will take you to its currently running program.
- If you have created channel lists in the "Advanced Settings", a pop-up window displays all the available channel lists. If you click a specific channel list, all the channels assigned to this group appear on the right side of the window. Clicking a channel will take you to its currently running program.
- In addition, you can switch between composite and S-video input in the lower part of the pop-up window. To do this, click the corresponding button.

Audio mode

The currently set audio mode is displayed in this field. If more than one audio mode is available, you can select between them here:

- To do this, click the Audio Mode button. This opens a pop-up window displaying all the available audio modes.
- Clicking a specific audio mode sets it.

En Language

Here, the language of the current program is displayed. If more than one language is being broadcast, you can choose between them:

- To do this, click the **Language** button. This opens a pop-up window displaying all the available languages.
- After clicking a specific language, the language of the current program is reset accordingly.

Select up/down

Clicking these buttons switches you to the previous or to the next channel in the currently selected channel list. In addition, you have here the option of switching between composite and S-video input by clicking the corresponding button.

Snapshot

If you click this button, a snapshot of the currently playing TV program is taken as a single image and saved in the previously indicated directory in "Advanced Settings". The file name is automatically created from the date, time, channel name, and any available EPG information.

O Volume

You can adjust the volume of your TV show individually with this slider. To do this, click the slider button and while holding the mouse button down, slide it to the position you want.

Clicking the **Mute 1** button mutes the TV show soundtrack. You can turn the soundtrack back on by clicking the button again.



If you click this button, the TV program currently playing is recorded and saved in the previously indicated directory in "Advanced Settings". The file name is automatically created from the date, time, channel name, and any available EPG information.

The recording can be paused by clicking the **Record** button again or by clicking the **Stop** button.



Play/Pause

If a timeshift recording is not currently taking place, you can start a timeshift recording by clicking the Play/Pause button.

During a timeshift recording, playback is paused by clicking the Play/Pause button. Click the button again to continue the recording.



Minimize to the task bar

After clicking this button, the most important control bar buttons are made available in the task bar:



When you move your mouse over the "P" icon, the currently set TV channel is displayed as a Tooltip.

Clicking the "Volume" icon displays a slider which you can use to adjust the volume or mute the soundtrack.

Click the button in the task bar to move the control bars back to their original location.

Open the bottom control bar

Clicking this button opens the bottom control bar.

Opened Bottom Control Bar

If you click the watching TV, the bottom control bar opens:



The following additional functions are now available:



These buttons can only be selected if a timeshift recording is currently running. Clicking the **Back** button starts the playback of the timeshift recording from the beginning.



This button is only available if a recording is currently being made or you are in timeshift mode. You can then end the currently running recording by clicking Stop.



Record

If you click this button, the TV program currently playing is recorded and saved in the directory previously indicated in "Advanced Settings". The file name is automatically created from the date, time, channel name, and any available EPG information.

The recording can be paused by clicking the **Record** button again or by clicking the Stop button.



Play/Pause

If a timeshift recording is not currently taking place, you can start a timeshift recording by clicking the Play/Pause button.

During a timeshift recording, playback of the timeshift recording is paused by clicking the **Play/Pause** button. Click the button again to continue the recording.



Rewind/Fast forward

These buttons are only available if a timeshift recording is currently running. Clicking the **Rewind** and **Fast Forward** buttons allows you to move back and forth within the timeshift recording. If you click once, the recording runs at double speed. If you click twice, the recording runs at quadruple speed. Three clicks results in 8x speed, and four clicks in 16x speed. One more click lets the recording run at normal speed again.

To pause rewind/fast forward, click the corresponding button until the recording plays at normal speed or click the **Play/Pause** button.

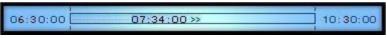


Previous Track/Next Track

These buttons are only available if a timeshift recording is currently running. With the **Previous Track** and **Next Track** buttons, you can jump back and forth in the timeshift recording within a time interval set in the "Advanced Settings".



This buttons is only available if a timeshift recording is currently running. Click this button to return to the live position in the current program. The timeshift recording continues to be recorded and can be played back at any time.



Timeshift timeline

This field tells you the following information:

- The start time of the timeshift recording, rounded up to the next half hour (here: 6:30 AM).
- The maximum timeshift position, at which the timeshift recording will pause or start from the beginning (here: 10:30 AM). This is dependent on the maximum available disk space that you can set for timeshift recordings in "Advanced Settings".
- The end of the status bar marks the current position of live TV. You can also see how much disk space has already been used for the timeshift recording or how much free disk space is still left.
- The current position of the timeshift playback (here: 7:34 AM).

In addition, you can jump to any position within the timeshift recording. To do this, click and hold your mouse button on the position indicator for the timeshift playback and drag it to the position you want within the recording.



Signal strength

When you click this button, a window with additional channel information appears.

Close the bottom control bar

Clicking this button closes the bottom control bar.

Operating Controls During DVD Playback

Closed Bottom Control Bar



The closed bottom control bar gives you access to the following buttons while you play a DVD:



The title of the currently playing DVD is displayed in this field. You can also switch to a specific chapter on the DVD from here:

- To do this, click the **DVD title** button.
- Now, all the chapters on the DVD currently inserted are listed in a pop-up window. When you click a chapter, playback of the selected chapter starts.

Audio mode

The currently set audio mode of the DVD is displayed in this field. If more than one audio mode is available, you can select between them here:

- To do this, click the **Audio Mode** button. This opens a pop-up window displaying all the available audio modes.
- Clicking a specific audio mode sets it.

En Language

The language of the current DVD is displayed here. You can also change the language for the soundtrack of the currently playing DVD in this field:

- To do this, click the Language button. This opens a pop-up window displaying all the available languages.
- After clicking a specific language, the language of the current DVD soundtrack is reset accordingly.

O Drive

Clicking these buttons lets you switch between the DVD and the CD-ROM drive. If only one drive is present, these buttons are not available.



If you click this button, a snapshot of the currently playing DVD is taken as a single image and saved in the directory previously indicated in "Advanced Settings". The file name is automatically created from the date, time, and DVD title.



You can adjust the volume of the DVD playback with this slider. To do this, click the slider button and while holding the mouse button down, slide it to the position you want.

Clicking the **Mute** button mutes the sound of the DVD playback. You can turn the soundtrack back on by clicking the button again.



Clicking the **Play** button starts the playback of a DVD. This button then changes to a Pause button.

You can pause DVD playback by clicking the Pause button. Clicking it again resumes playback.

Minimize to the task bar

After clicking this button, the most important control bar buttons are made available in the task bar:



When you move your mouse over the "P" icon, the title of the currently playing DVD as well as the current chapter are displayed as a Tooltip.

Clicking the "Volume" icon displays a slider which you can use to adjust the volume or mute the soundtrack.

Click the button in the task bar to move the control bars back to their original location.

Open the bottom control bar

Clicking this button opens the bottom control bar.

Opened Bottom Control Bar

If you click the watching a DVD, the bottom control bar opens:



The following additional functions are now available:



Click this button to playback the currently running DVD from the beginning.



Click this button to pause the current DVD playback and return to the main menu on the DVD.



Clicking the **Play** button starts the playback of a DVD. This button then changes to a Pause button.

You can pause DVD playback by clicking the **Pause** button. Clicking it again resumes playback.



Rewind/Fast forward

Clicking the **Rewind** and **Fast Forward** buttons lets you move back and forth in a DVD at an increased speed and therefore lets you access different areas within the DVD. If you click once, the DVD runs at double speed. If you click twice, the DVD runs at quadruple speed. Three clicks results in 8x speed, and four clicks in 16x speed. One more click lets the DVD run at normal speed again. To pause rewind/fast forward, click the corresponding button until the DVD plays at normal speed or click the Play/Pause button.



Previous Chapter/Next Chapter

Use the Previous Chapter/Next Chapter buttons to jump back and forth between consecutive chapters.



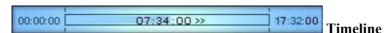
Clicking this button opens the main menu of the current DVD.

LANGUAGE Language

After clicking this button, a dialog window opens where you can set the language for the soundtrack, the subtitles, and the menus of your DVD.

Camera Angle

If your DVD offers different camera angles, click this button to open a pop-up menu where you can select between the camera angles available.



This field tells you the following information:

- The beginning of DVD playback (here: 0:00)
- The end of the DVD (here: 17:32)
- The current position within the DVD (here: 7:34) as well as the current chapter. You can see here how much of the DVD has already been played back or how much is still left.
- The marks within the time status bar indicate the transitions between the individual chapters.

In addition, you can jump to any position within the DVD. To do this, click and hold your mouse button on the position indicator and drag it to the position you want within the timeline.

If you right-click in the timeline, the remaining playback time will be displayed.

Close the bottom control bar

Clicking this button closes the bottom control bar.

Operating Controls During File Playback

Closed Bottom Control Bar



The closed bottom control bar gives you access to the following buttons while you play an audio or video file:



The name of the current file is displayed in this field. When you play back all the files in a specific directory, you can also switch between the files here:

- To do this, click the **File name** button.
- Now, all the files in the current directory are listed in a pop-up window. If you click a file, the selected file is played back.



Clicking the **Play** button starts the playback of a file. This button then changes to a **Pause** button.

You can pause file playback by clicking the **Pause** button. Clicking it again resumes playback.



If you click this button, a snapshot of the currently playing video file is taken as a single image and saved in the directory previously indicated in "Advanced Settings". The file name is automatically created from the date, time, and file name.



You can adjust the volume of the file playback with this slider. To do this, click the slider button and while holding the mouse button down, slide it to the position you want.

Clicking the **Mute** button mutes the sound of the file playback. You can turn the soundtrack back on by clicking the button again.



Minimize to the task bar

After clicking this button, the most important control bar buttons are made available in the task bar:



When you move your mouse over the "P" icon, the name of the file currently being played back is displayed as a Tooltip.

Clicking the "Volume" icon displays a slider which you can use to adjust the volume or mute the soundtrack.

Click the button in the task bar to move the control bars back to their original location.

Open the bottom control bar

Clicking this button opens the bottom control bar.

Opened Bottom Control Bar

If you click the button while playing back a file, the bottom control bar opens:



The following additional functions are now available:



Click this button to play back the current file from the beginning.



Click this button to pause the file currently being played back and return to the previous mode in the Pinnacle MediaCenter.



Clicking the **Play** button starts the playback of a file. This button then changes to a **Pause** button.

You can pause file playback by clicking the **Pause** button. Clicking it again resumes playback.



Clicking the Rewind and Fast Forward buttons lets you move back and forth in a video file at an increased speed, therefore letting you access different areas within the file. If you click once, the video runs at double speed. If you click twice, the video runs at quadruple speed. Three clicks results in 8x speed, and four clicks in 16x speed. One more click lets the video file run at normal speed again.





Previous file/Next file

Use the **Previous file/Next file** buttons to move from file to file in the current directory.

LANGUAGE Language

If subtitles are available for the current file and you click this button, a dialog window appears where you can set the language for the subtitles.



This field tells you the following information:

- The beginning of file playback (here: 0:00)
- The end of the file (here: 17:32)
- The current position within the file (here: 7:34). You can see here how much of the file has already been played back or how much is still left to play back.

In addition, you can jump to any position within the file. To do this, click and hold your mouse button on the position indicator and drag it to the position you want within the timeline.

If you right-click in the timeline, the remaining playback time is displayed.

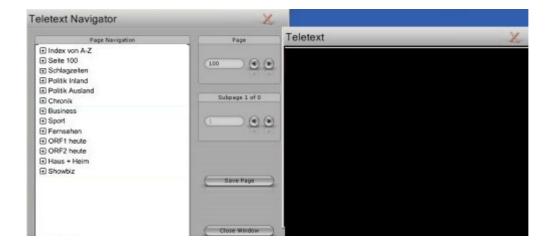
Close the bottom control bar

Clicking this button closes the bottom control bar.

Teletext

Overview

If you click the **Teletext** button in the upper menu bar, the teletext window opens in the PC view (if teletext is available):



Teletext can consist of two windows. In the left window, you will see the TOP text and the operating controls for navigating in teletext. To the right is the teletext window where the teletext pages and subpages are displayed. When there is enough space on the screen, the TV program showing on the current channel is displayed next to the teletext area. This lets you read teletext and watch TV at the same time.

For general information about teletext and TOP text, refer to the "Teletext" chapter.

Positioning the Teletext Window

Both the teletext window as well as the TV window (if this is displayed) can be coupled to each other and then moved together on the screen as a single unit.

Or you can also position the windows separately. This means you can put one of the windows anywhere on the screen independent of the other window. To do this, click the corresponding window and hold down your mouse button. While holding down your mouse button, drag the window to the position on the screen you want.

If the teletext window can be moved separately, you can also resize it. To do this, left-click and hold the mouse button down on the corner of the window and then drag the corner until the window is the size you want.

Bottom Control Bar

In teletext mode, the buttons for operating the TV are located in the bottom control bar so that you can keep track of both the teletext and your TV program at the same time.

Closing a Teletext Window

When you close the TOP text window by clicking the **Close** button in the upper control bar, the teletext window will continue to be displayed.

When you close the teletext window by clicking the **Close** button in the upper control bar, the entire teletext window is closed and the currently showing TV program is displayed in the Pinnacle MediaCenter window.

Navigating Teletext

Navigating teletext using TOP text

TOP text lets you quickly and effectively navigate through teletext. After clicking a TOP text entry, the corresponding page is displayed in the teletext window.

If no TOP text is available, a selection of possible teletext pages that you can also click for access is listed in the TOP text window.

If a topic in TOP text has additional subtopics (indicated by a "+" before the topic title), you can open the list of all subtopics by clicking the "+". If you click the "+" again, the list of all the subtopics is hidden.

Navigating teletext using the operating controls

In the right part of the TOP text window, there are several buttons that you can use to navigate teletext:



The page number of the current teletext page is displayed in this field.

To change the teletext page, click the button or button to access either the previous or the next teletext page.

Or you can click the teletext page number display and enter the desired page number directly using your keyboard.



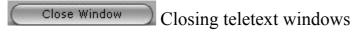
If the currently selected teletext page has subpages, the page number of the current teletext subpage is displayed in this field.

To change the teletext subpage, click the button or button to access either the previous or the next teletext subpage.

Or you can click the teletext subpage number display and enter the desired page number directly using your keyboard.



When you click this button, an "Open File" dialog opens where you can save the current teletext page as an ASCII text file. The file name is created by default from the current date, time, channel name, and teletext page number.



Clicking this button closes the entire teletext and displays the program showing on the current TV channel in the Pinnacle MediaCenter window.

Accessing pages directly

To access a teletext page or subpage, you can also enter the page number directly with your keyboard.

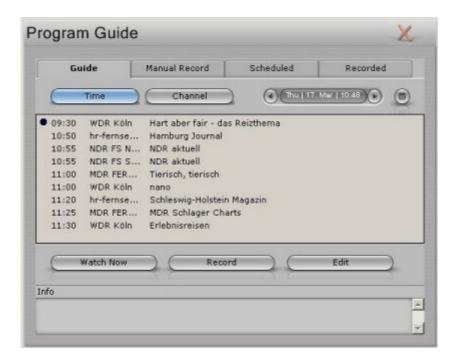
Electronic Program Guide (EPG) and Recording

Electronic Program Guide (EPG)



This menu is only available if you have access to an EPG service.

If you click the **EPG** button in the upper control bar, the Electronic Program Guide opens in the PC view:



The Electronic Program Guide offers you a complete overview not only of the current but also of the future TV schedule. This also lets you record TV shows quickly and simply.

EPG Program List

In the middle part of the window, you see the EPG program list, which is sorted either according to time or according to channel.

You can move up or down in the EPG program list by clicking the scroll bar or by clicking the scroll bar and, at the same time, holding down the mouse button to slide the scroll bar up or down.

Colored symbols indicate the status of a program. Currently running recordings, shows scheduled to be recorded, already recorded shows or TV shows currently being broadcast are marked using different symbols.

An information window on the lower edge of the screen displays information about the selected show.

Sorting a EPG Program List

You can sort the EPG program list according to time or according to channel:

Sorting the EPG program list by time

When you click the **Time** button, the current time is displayed in the **Time** field and all the programs scheduled to be broadcast at the current time are listed in the program list.

You can now adjust the time information and then display the TV listings of all the available TV channels at one of the times you have indicated:

To do this, click the buttons next to the **Time** field. The time is changed by hour increments and the shows, which are to be broadcast at the newly chosen time, are now included on the EPG list.

To view the TV schedule of a different day, click the button. If you click on a specific day in the calender window which opens, the program that will be broadcast at the indicated time on the day you have chosen appears in the EPG list (if this information is available).

Sorting the EPG program list by channel

After you select the **Channel** button and confirm it, the current channel is displayed on the upper edge of the screen and the schedule of the current channel appears in the program list, beginning at the current time.

You can now select another channel and display the schedule for this channel:

- To do this, click the Channel field.
- All the available channels are displayed in a pop-up window. Clicking a channel enters it in the Channel field and the TV schedule for that channel is displayed in the program list.
- If you have created channel lists in the "Advanced Settings", a pop-up window displays all the available channel lists. If you click a specific channel list, all the channels assigned to this group appear on the right side of the window. Clicking a channel enters it in the **Channel** field and the TV schedule for that channel is displayed in the program list.
- Or you can also select a channel by clicking the **Previous/Next Channel** buttons next to the **Channel** field and switching from the previous or to the next channel in the channel list. The TV schedule of the corresponding channel is now displayed in the program list.

Accessing a Schedule in the EPG Program List

If you would like to see a program currently being broadcast, click the corresponding schedule in the EPG list, and the program will be displayed in the PC view.

Recording a Program from the EPG Program List

Using the EPG function, it is easy to record a program.

To do this, click the desired program in the EPG program list and then click the **Record** button. A program that is currently being shown is recorded immediately. The recording for a future program is scheduled.

You can tell whether a show is currently being recorded or if a show is scheduled to be recorded by the record icon in the EPG channel list.

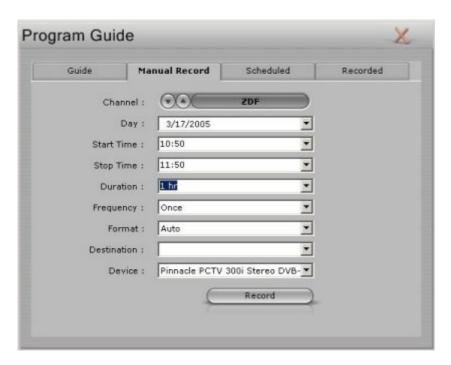
Pausing, Editing or Deleting Recordings in the EPG Program List

You can edit or delete recordings being made right now or recordings scheduled in the future in the EPG menu directly.

To do this, click the program you want and then click the **Edit** button. In the window that now appears, you can pause, edit or delete the recording (refer to the chapter "Manual Recording")

Manual Recording

To schedule a recording manually, click the **EPG** button in the upper task bar and click the **Manual Record** tab in the window that now appears:



For a scheduled recording, enter the following information:

Channel

Enter the channel of the program to be recorded in this field:

- To do this, click the Channel field.
- All the available channels are displayed in a pop-up window. Clicking a channel enters it in the **Channel** field.
- If you have created channel lists in the "Advanced Settings", a pop-up window displays all the available channel lists. If you click a specific channel list, all the channels assigned to this group appear on the right side of the window. Clicking a channel enters it in the **Channel** field.
- Or you can also select a channel by clicking the **Previous/Next Channel** buttons and switching from the previous or to the next channel in the channel list.

Day

In this field, enter the day your recording should take place.

- To do this, you can enter a date directly using the number keys on your keyboard.
- Or click the button. If you click a specific day in the calender window that now appears, this day is entered automatically in the **Day** field.

Start Time

Here, enter the time the scheduled recording should start.

- To do this, enter a four-digit time directly using the number keys of your keyboard (hours:minutes).
- Or you can click the button. In the window that now appears, a list of times in half-hour increments is displayed. If you click a specific time, this will be entered automatically in the **Start Time** field.

Stop Time

In this field, enter at what time the scheduled recording should stop.

- To do this, enter a four-digit time directly using the number keys on your keyboard (hours:minutes).
- Or you can click the button. In the window that now appears, a list of times in half-hour increments is displayed. If you click a specific time, this will be entered automatically in the **Stop Time** field.

Duration

Here, you decide how long the scheduled recording should last.

- To do this, enter a time in minutes directly using the number keys on your keyboard.
- Or you can click the button. In the window that now appears, a number of time periods are displayed. If you click a specific time period, this will be entered automatically in the **Duration** field.

Note that after entering the start time and the stop time, the duration is automatically calculated. After entering the start time and the duration of a recording, the stop time is automatically calculated.

Frequency

Here you can select the frequency your recording should be repeated (for example, once, daily or weekly).

■ To do this, click the button and then click a frequency in the pop-up window that now appears. This will then be automatically entered in the **Frequency** field.

When you select **Suspend**, you can suspend a regularly scheduled recording, for example, when the program schedule changes.

Format

In this field, enter the recording format you want.

To do this, click the button and then click the format you want in the pop-up window that now appears. This will then be entered automatically in the **Format** field.

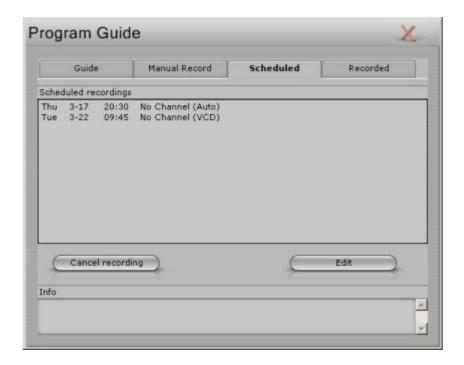
Destination

Here, select whether you would like to save your recording on your hard drive or on DVD.

To do this, click the button and then click **Hard disk** or **DVD** in the pop-up window that now appears. This will then be entered automatically in the **Destination** field.

Scheduled Recordings

If you would like to edit or cancel a previously scheduled recording, click the **EPG** button in the upper control bar. In the window that now appears, click the **Scheduled** tab:



All of your scheduled recordings including recording times are displayed here. Click the recording to select it so you can edit or cancel it.

More information about the selected scheduled recording is located at the bottom of the window.

Cancelling Scheduled Recordings

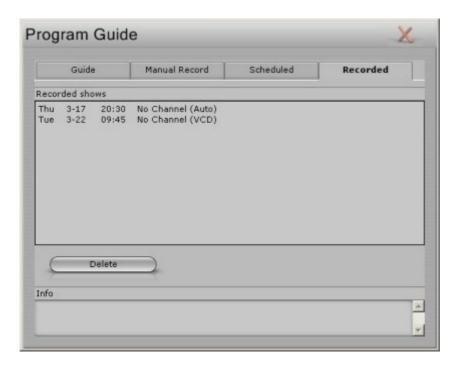
If you would like to cancel a scheduled recording, click the corresponding recording and then click the **Cancel** button. If you click **Yes** in the dialog window that now appears, the recording schedule settings will be deleted and the recording will be not take place.

Editing Scheduled Recordings

If you would like to edit the scheduled recording (for example, to change the recording time or the date), click the corresponding recording and then click the **Edit** button. The settings for this recording are displayed and you can now edit them (for more information, refer to the chapter "Manual Recording").

Recording

To get an overview of all the previous and saved recordings, click the **EPG** button in the upper control bar and then the **Recorded** tab:



Here, you see all the currently available recordings including information about the recording date and time.

You also see further information for each selected recording in the information window on the lower edge of the screen.

If you would like to delete a recording, click the corresponding recording and then click the **Delete** button. If you click **Yes** in the dialog window that now appears, the recording will be deleted.

Technical Support

Getting Technical Support

If problems should occur with your Pinnacle Systems product, please check first that the latest version of the software has been installed on your computer system.

Pinnacle Systems provides a free, round-the-clock service, which enables users to rectify problems themselves. You will be able to find answers to your questions seven days a week, right around the clock.

You will find this technical support at:

http://www.pinnaclesys.com

Click **Support** and select your product from the product list. Select your product again in the **Interactive Support** category. You will then be able to choose from the following support options:

1. Frequently Asked Questions

This is the best way of obtaining answers to your questions. Here you will find hundreds of technical problems and their solutions sorted by subject areas. These are shown in the order of the 20 most frequently read questions. In addition, you can also sort the documents according to problem categories. To do this, use the pull-down **Category** menu.

Please use the search function to obtain answers to special questions.

2. Ask a Question and Get an Answer

Simply enter your question or the symptoms of your problem and you will obtain a list of the most obvious solutions. If you do not obtain a satisfactory solution, please rephrase your question. For example, instead of "I get error messages" you could enter "I get error messages when installing the software". Instead of entering a specific question, you can select one of the main functions listed for your product or a general subject area from the pull-down **Category** list. The ten most frequently asked questions and the appropriate solutions in the category that you have selected will then be displayed.

3. E-mail Support

If you are unable to find an answer to your questions with the help of our Web site, Pinnacle Systems also offers technical support by e-mail. E-mails will be answered as quickly as possible. Please use the **Ask a Question** box for this

purpose. Before the e-mail is submitted, five solutions to your problem will be suggested. Please read these carefully, as more than 70% of customers find suitable answers in these proposed solutions.

4. Discussion Forum

More than 100,000 registered users make use of this free service. Visit the Pinnacle Systems online discussion forum to see whether your question has already been asked and a suitable answer found. To use the service, ask your question in the discussion forum and you will receive help from Pinnacle Systems or other users.

A search function is provided in the discussion forum. If you enter "poor picture", for example, contributions on this subject will be displayed.

When you make use of Pinnacle Systems technical support, you should have all the technical information about your computer configuration ready at hand.

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Glossary

#

16:9-Format: Also called widescreen. Television format where the width-to-height ratio of the display area is 16:9 instead of 4:3. When broadcast for television, part of the picture is broadcast in black (black bars on top and bottom of the picture) to make it compatible with the traditional 4:3 format. The first line of the TV picture contains additional code that instructs any 16:9 television to enlarge the picture (see also "4:3 format")

4:3 format: This is the traditional television format. The width-to-height ratio of the display area is 4:3.(see also "16:9 format")

Α

Aspect ratio: The width-to-height ratio of one pixel. Some video formats must have this ratio in order to display the picture properly. If the aspect ratio is 1, the pixel will be square. If the aspect ratio is not 1, the pixel will be rectangular. When rectangular pixels are used without adjustment, circles are displayed as ovals. This distortion can be eliminated by factoring in the aspect ratio. (see also "Pixel")

AVI: Abbreviation for "Audio Video Interleaved", the standard format for digital video on PCs. (see also "Video for Windows")

В

BMP: Abbreviation for "BitMaP". Microsoft Windows standard format for pixel graphics.

C

Client: A system (computer or program) in a network or on the Internet that requests files or services. The system (computer or program) that provides the files or services is called a server. The client can request a data transfer or a print job from the server.

CoDec: Acronym for Compressor/Decompressor, compresses (packs) and decompresses (unpacks) image data.

Composite Video: The encoding of color and brightness information into a single signal. (see also "S-Video")

Content: Content is the information contained in a message or a Web site that does not consist of structures or formats. This term applies to all media, including texts, data and images to audio information and videos.

D

Data rate: The data rate is also known as the bit rate. The bit rate measures how fast bits of data can be transferred over a medium in a given period of time. This rate is listed in bits per second (bps).

DHCP: Abbreviation for "Dynamic Host Configuration Protocol". Windows-Server software that assigns an IP address to each computer in a network. (see also "IP Address")

Dial-up connection: A dial-up connection is the most common type of consumer Internet connection. A modem connects the computer to the Internet provider's system via the telephone line. The provider's system is normally connected to the Internet via an ISDN line. (see also "Modem" and "ISDN")

Digital Television: See also "DVB" or "DTVB". Digital television transmission standard. Describes the transmission of video, audio and additional information as digital data signals.

Digital video: Digital video stores information as bits in a file. This differs from the method used by analog storage media such as VCRs.

DSL: Short for "Digital Subscriber Line". This technology allows users with DSL modems to download up to 6 Mbps and upload 0.6 Mpbs over short distances of 3 miles or less. DSL connects using copper landlines.

DTVB: Abbreviation for "Digital TeleVision Broadcasting". (see also "Digital Television" or "DVB")

DVB: Abbreviation for "Digital Video Broadcasting". Transmission standard for digital television. Classified as "DVB-C", "DVB-S", and "DVB-T" depending on the transmission medium.

DVB-C: Abbreviation for "Digital Video Broadcasting Cable". Transmission standard for digital television in the cable network. (see also "DVB")

DVB-S: Abbreviation for "Digital Video Broadcasting Satellite". Transmission standard for digital television via satellite. (see also "DVB")

DVB-T: Abbreviation for "Digital Video Broadcasting Terrestrial". Transmission standard for digital television via antenna. (see also "DVB")

DVD: Short for "Digital Versatile Disc", formerly known as "Digital Video Disc". An optical storage medium with more capacity and bandwidth than a CD-ROM. DVDs are commonly used for multimedia and data-storage applications.

Ε

Ethernet: The most common type of local-area network. Each node (computer or server) in the network checks whether any other computer is transmitting data. It then waits for the other computers to finish with their transmissions before it starts its own transmission. (see also "LAN")

F

Field: A video image consists of horizontal lines divided into two fields. All the odd-numbered lines make up one field; the even-numbered lines make up the other field.

Filesharing: Filesharing refers to any exchange of data between two or more computers over the Internet. There are currently many filesharing programs available on the Internet, many of which can be used for free.

Firmware: Firmware is system software stored in ROM or Flash memory. Firmware is not deleted when the system has been turned off.

Flash memory: Re-writable permanent memory that behaves like a hybrid of RAM and a hard drive. Flash memory does not lose data even when its power supply has been turned off. (see also "RAM")

G

GIF: Abbreviation for Graphics Interchange Format. This graphics format was developed by CompuServe as a high-compression format for transmitting images without losing any data. The most important graphics element on the Internet. The GIF format only has 256 colors because only 8 bits go into storing each dot. GIFs are ideal formats for animations.

Н

HTML: Abbreviation for "HyperText Markup Language". A document standard developed during the World Wide Web project that provides a simple logical structure for titles, headings, paragraphs, numbering, forms, tables and mathematical formulas as well as a language for defining hypertext links.

HTTP: Abbreviation for "HyperText Transfer Protocol". A standard mechanism used on the Internet to share documents between servers and clients.

IDE: Abbreviation for "Integrated Drive Electronics". IDE is a parallel interface used to connect hard-disk drives, CD drives, tape devices and floppy drives. Advanced IDE hard drives have a IDE controller built into the hard-drive housing.

Interlace: A method of creating an image used in PAL and other systems. Interlacing uses fields. Each field has 312 1/2 lines that are inserted one after another. (see also "Field")

IP Address: Abbreviation for "Internet Protocol". Every computer connected to the Internet receives a unique identification number that consists of four sections. This number is called an IP address. This allows other computers in the network to identify it, send data packets to it and to process data they have

received from it. IP addresses make sure that the right data packets are sent to the right recipient via the right path.

ISDN: Abbreviation for "Integrated Services Digital Network". A digital telephone network that, unlike analog modems, transmits digital data. With bit rates of 64 bps, ISDN transmits data much faster and more accurately than modems.

J

JPEG: Abbreviation for Joint Photographic Experts Group. The data extension is "JPG". Graphics-compression method developed by C-Cube Microsystems. This pixel image format offers 24-bit color depth and is especially suited for photos and photorealistic images with many different shades and hues. Because it exploits some of the physiological characteristics of human sight and permits data losses that are invisible to the naked eye, it attains extremely high compression rates.

JPG: See "JPEG".

L

LAN: Abbreviation for "Local-Area Network". A local network located in a building or on company premises that is based on private transmission media and equipment. Ethernet and Token Ring are common LAN technologies.

Letterbox: The letterbox format is created when an image recorded in 16:9 format (or wider) is displayed on a normal television (4:3). This format typically displays the picture between black bars on the top and bottom of the screen. This term was probably derived from the wide, thin format that looks a lot like the slot of a letterbox.

M

M3U Format: M3U (file extension ".m3u") is the standard data format in which Winamp and other playlists are saved.

Modem: Abbreviation for "MOdulator DEModulator". A device that converts digital signals ("the computer's language") to analog signals ("the telephone's language") and vice versa. Modems are used to connect to the Internet using a dial-up connection.

MOV: Name given to Quicktime-formatted videos.

MP3: MP3 is an audio format that provides relatively good sound (compared to the uncompressed original) and very high compression rates. It is an excellent way to store and share music data over the Internet. Many MP3 players support this format and allow users to store hours of sound at almost full-range HiFi quality in just a few megabytes.

MPEG: Abbreviation for Motion Pictures Experts Group. Video-compression standard. There are different formats for different types of compression, such as MPEG 1, MPEG 2, etc.

MPEG 4 AVI: Video format with extremely high compression.

N

NTSC: Abbreviation for "National Television Standards Committee". A television standard with 525 lines and 60 fields per second that is used in North and Central America. (see also "PAL", "SECAM", "Field")

P

PAL: Abbreviation for "Phase Alternation Line". Television standard developed in Germany that uses 625 lines and 50 fields per second. This is the main TV standard in Europe. (see also "NTSC", "SECAM", "Field")

PCMCIA: Abbreviation for "Personal Computer Memory Card International Association". A PCMCIA card is a lightweight, removable module about the size of a credit card that provides additional functionality to a portable computer. The module may expand existing RAM or hard-drive space or provide network functionality.

Peer-to-peer (P2P): Peer-to-peer filesharing sites are Internet forums that offer freely available media files. There are more than 70 such forums online.

PHP: The abbreviation PHP officially stands for "Hypertext Preprocessor". PHP is a widely used scripting language designed for general use. It can be embedded in HTML and is ideal for Web applications. PHP is easy to learn, offers excellent database and Internet-Protocol interfaces and supports many additional function libraries. PHP is the ideal development tool for creating dynamic Web content.

PIN: Abbreviation for "Personal Identification Number". A PIN is a secret code comprising several digits that identifies a given user.

PiP: Abbreviation for "Picture in Picture."

Pixel: Also known as a "picture element" or "pel". In a video-recording device (such as a camera) or a playback device (such as a monitor), a pixel is a light-sensitive or light-emitting surface with a specified height and width. When stored electronically, pixels contain brightness and color information for a given image element. The aspect ratio, which also plays a key role in video playback, is stored separately in the files for some data formats. (see also "Aspect ratio")

PNG: Abbreviation for Portable Network Graphics. Graphics format for bit-mapped images that supports interlacing and offers 24-bit color depth and lossless compression. (see also "Interlace")

R

RAM: Abbreviation for "Random Access Memory". The main memory of the computer. The RAM temporarily stores data and runs programs at the same time.

RGB: Abbreviation for "Red Green Blue". RGB values can be used to define a particular hue. The color is calculated based on the amount of red, blue and green in each pixel.

Ripping: Files or parts of files on an audio CD or movie DVD are "read in" and stored on the PC's hard drive, where they can be played back or processed further.

ROM: Abbreviation for "Read Only Memory". A memory chip that can be read from, but not written to.

Router: Routers, also known as "Intermediate Systems (IS)", are linking elements that interconnect two or more subnetworks. In addition to acting as a bridge, routers can expand the boundaries of a network (number of nodes, physical extension). Routers also control data traffic by not forwarding defective data packets.

S

S-VHS: Improved version of VHS based on the S-Video standard, but with better image definition. (see also "S-Video", "VHS")

S-Video: S-Video signals deliver brightness and color information separately through several cables. This means that the video does not need to be modulated and demodulated and image quality is not impaired as a result. (see also "Composite Video")

SCART: Type designation for the EuroAV plug, a 21-pin, standardized connector for all video and audio lines. Signals are not converted prior to transmission, which makes for a high quality standard.

SD: Abbreviation for "Standard Definition". When a resolution consists of up to 720 x 480 (NTSC) or 720 x 576 (PAL), we are talking about "Standard Definition". (see also "HD")

SECAM: Abbreviation for "Sequential Couleur à Mémoire". A color-television standard developed in France and Eastern Europe based on the PAL system. SECAM uses 625 lines and 50 fields per second. (see also "NTSC", "PAL", "Field")

Server: A computer or a program that offers storage, data-transfer and other services in a network or on the Internet. Servers often provide services for requestors (clients) located on other computers.

Set-top box: A set-top box is an additional device that receives digital television stations and data. It can be hooked up to any standard television set.

Streaming: The act of transferring compressed video and audio files over the Internet. Streaming does not download all the data at once, but downloads it in stages using a store-and-forward method. The data does not arrive as a continuous file, but is cached in the buffer, which can create delays at the start of transmission. The data can be transmitted live or it can be downloaded later. The computer receiving the data stream must have a program (player) installed on it that decompresses the data. Players are usually installed in browsers such as Internet Explorer. The speed and quality of the data depend heavily on how much bandwidth is available. In order to ensure smooth playback, the Internet connection should offer at least 300 Kbps in bandwidth. There are various file formats for audio and video streaming. The most popular formats are MP3, RealAudio and WMA.

SVCD: Expanded Video-CD standard. This image format offers a higher line resolution and uses MPEG-2 instead of MPEG-1 to compress the video data. (see also "VCD")

Т

TIF: Abbreviation for "Tagged Image File Format". Standard format for professional printed images developed by Aldus.

V

VCD: Abbreviation for "Video CD". A standard for writing MPEG-1-formatted videos to CDs. A Video CD can hold up to an hour of digital video and stereoquality sound. The data rate of the MPEG-1 stream is constant - around 170 kB per second (224 kpbs sound, 138 kB video, PAL). This standard offers image and sound quality that is comparable to that of a HiFi VCR. (see also "SVCD")

VHS: Abbreviation for "Video Home System". System used by many VCRs for recording and playing back sound and video from magnetic tape. It uses a composite signal that combines brightness and color information into one signal. (see also "Composite Video", S-VHS)

Video-on-Demand (Vod): A multimedia application that allows users to access a video server and view photos/images or videos/movies.

Video for Windows: Video for Windows, a Microsoft Windows system expansion, allows users to record, store and play back digital video sequences. (see also "AVI")

W

Web Server: A computer on which HTML pages and network software are stored. Web servers constantly deliver content via the Internet or a network to Web browsers, where it is displayed on the user's monitor.

Wi-Fi: Abbreviation for "Wireless Fidelity". Wi-Fi is an 802.11-compliant certification for wireless local-area networks (LANs) issued by the WECA (Wireless Ethernet Compatibility Alliance). This certification confirms that all wireless network products that comply with the standard are interoperable.

WIA: Abbreviation for "Windows Imaging Architecture". An imaging architecture introduced by Microsoft for Windows Millennium Edition and Windows XP. WIA allows image-processing programs to communicate with, and receive data from, digital cameras, scanners and other devices.

Widescreen: See "16:9 format".

WLAN: Abbreviation for "Wireless Local Area Network". (see also "LAN")

WMA: Abbreviation for "Windows Media Audio". Microsoft's audio playback method that, unlike its rival, MP3, has an integrated rights-management system. (see also "MP3")

WMV: Abbreviation for "Windows Media Video". Video-file format developed by Microsoft.

X

XviD: Another version of the MPEG 4 AVI video-media format. (see also "MPEG 4 AVI")

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